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Surface Water Data

Atlantic Provinces

Données sur les eaux de surface

Provinces de l'Atlantique

1990

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1991

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1991

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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Dartmouth, Nova Scotia.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Dartmouth (Nouvelle-Écosse).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1990 calendar year, the results of the hydrometric survey investigations which were made in Newfoundland and Labrador, New Brunswick, Nova Scotia and Prince Edward Island by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
5th Floor, Queen Square,
45 Alderney Drive,
Dartmouth, Nova Scotia.
B2Y 2N6
(902 426-5776)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1990, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Écosse et dans l'Île-du-Prince-Édouard.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice Queen Square, 5e étage
45, prom. Alderney
Dartmouth (Nouvelle-Écosse)
B2Y 2N6
(902 426-5776)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1990, the hydrometric surveys in Newfoundland and Labrador, New Brunswick, Nova Scotia and Prince Edward Island were conducted by the Water Survey of Canada under individual co-operative arrangements with each provincial government or its agency. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

In Nova Scotia, from 1915 to 1919, hydrometric investigations were conducted by the Dominion Water Power Branch in co-operation with the Nova Scotia Water Power Commission. A similar co-operative arrangement was made in 1918 with the Province of New Brunswick. On May 1, 1919, new agreements were made between the Government of Canada the Provinces of New Brunswick and Nova Scotia and an initial agreement made with the Province of Prince Edward Island whereby the Dominion Water Power Branch, which later became the Dominion Water and Power Bureau, assumed responsibility for basic water resources investigations in the three provinces. Although these arrangements were terminated on March 31, 1933, work was continued by the federal government under letter arrangements with the Provinces of New Brunswick and Nova Scotia. Work was discontinued in the Province of Prince Edward Island in 1933.

A new agreement with the Province of New Brunswick came into effect on April 1, 1951, and in 1961, a further agreement for the extension of hydrometric coverage was concurred in. A new agreement with the Province of Prince Edward Island was made in 1961 and hydrometric records were commenced in August. A co-operative agreement covering hydrometric surveys in Newfoundland and Labrador was ratified by both governments on March 24, 1950.

Co-operative agreements were negotiated with the four provinces (implementation date in each case was April 1, 1975) and signed by Prince Edward Island January 28, 1975, New Brunswick February 24, 1975, Newfoundland and Labrador February 25, 1975, and Nova Scotia April 28, 1975. The agreements provide that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1990, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques à Terre-Neuve, au Labrador, au Nouveau-Brunswick, en Nouvelle-Écosse et dans l'Île-du-Prince-Édouard en vertu d'accords conclus avec chaque province ou un de ses organismes provinciaux. Les autorités provinciales ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

De 1915 à 1919, la Direction fédérale de l'énergie hydraulique et la *Nova Scotia Water Power Commission* ont entrepris des recherches hydrométriques en Nouvelle-Écosse. La Direction a signé une entente semblable en 1918 avec le Nouveau-Brunswick. Le 1er mai 1919, le gouvernement du Canada a conclu de nouveaux accords avec le Nouveau-Brunswick et la Nouvelle-Écosse et un premier accord avec l'Île-du-Prince-Édouard, aux termes desquels la Direction fédérale de l'énergie hydraulique, devenue plus tard le Bureau fédéral de l'eau et de l'énergie, assumait la responsabilité des études de base sur les ressources en eau des trois provinces. Les accords ont pris fin le 31 mars 1933; toutefois, en vertu de lettres d'entente, le gouvernement fédéral a continué d'exécuter les observations pour les provinces du Nouveau-Brunswick et de la Nouvelle-Écosse. Il a dû abandonner les recherches relatives à l'Île-du-Prince-Édouard, en 1933.

Un nouvel accord avec le Nouveau-Brunswick est entré en vigueur le 1er avril 1951, suivi, en 1961, d'un autre qui visait à en élargir la portée. En 1961, le gouvernement fédéral a signé un nouvel accord avec la province de l'Île-du-Prince-Édouard, et les relevés hydrométriques ont débuté en août de la même année. Les deux paliers de gouvernement ont conclu un accord pour les relevés hydrométriques à Terre-Neuve et au Labrador le 24 mars 1950.

Le gouvernement fédéral a signé des accords (qui sont tous entrés en vigueur le 1er avril 1975) avec l'Île-du-Prince-Édouard, le 28 janvier 1975; avec le Nouveau-Brunswick, le 24 février 1975; avec la Terre-Neuve et le Labrador, le 25 février 1975; et avec la Nouvelle-Écosse, le 28 avril 1975. Selon les dispositions des accords, le gouvernement fédéral s'occupera du programme de relevés hydrométriques dans chacune des provinces et partagera avec elle le coût des mesures.

CO—OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Direction des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of National Defence.

Provincial – Newfoundland Department of Environment;
Newfoundland and Labrador Hydro Corporation;
New Brunswick Electric Power Commission;
New Brunswick Department of Environment;
Nova Scotia Department of Lands and Forests;
Nova Scotia Department of Environment;
Nova Scotia Power Corporation;
Prince Edward Island Department of Community Affairs;
Quebec Department of the Environment.

Municipal – City of Fredericton, New Brunswick;
City of Charlottetown, Prince Edward Island.

Private – *In Newfoundland* – Bowater Power Company Limited, Deer Lake Power Company Limited, Iron Ore Company of Canada Limited, Newfoundland Light and Power Company Ltd., Price (Newfoundland) Pulp and Paper Co. Ltd., Churchill Falls (Labrador) Corporation Ltd.
In New Brunswick – Consolidated-Bathurst Company Limited, Fraser Companies Limited.
In Main, U.S.A. – The Georgia-Pacific Corporation.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère de la Défense nationale.

Niveau provincial – Ministère de l'Environnement de Terre-Neuve,
Hydro-Terre-Neuve et Labrador,
Commission de l'énergie électrique du Nouveau-Brunswick,
Ministère de l'Environnement du Nouveau-Brunswick,
Ministère des Terres et Forêts de la Nouvelle-Écosse,
Ministère de l'Environnement de la Nouvelle-Écosse,
Nova Scotia Power Corporation,
Ministère des Affaires communautaires de l'Île-du-Prince-Édouard,
Ministère de l'Environnement du Québec.

Niveau municipal – Ville de Fredericton, Nouveau-Brunswick,
Ville de Charlottetown, Île-du-Prince-Édouard.

Secteur privé – À Terre-Neuve – *Bowater Power Company Limited, Deer Lake Power Company Limited, Iron Ore Company of Canada Limited, Newfoundland Light and Power Company Ltd*, Société des pâtes et papiers Price (Terre-Neuve), et *Churchill Falls (Labrador) Corporation Ltd.*
Au Nouveau-Brunswick – *Consolidated-Bathurst Company Limited, Fraser Companies Limited.*
Dans le Maine (États-Unis) – *Georgia-Pacific Corporation.*

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit – 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit – 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Water Resources Paper series containing sediment data incorporated a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue was a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* have been published annually. The sediment data since 1978 have been presented entirely in the International System of Units (SI).

De 1948 à 1960, on a recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenant des données sur les sédiments a paru dans la série intitulée *Water Resources Paper*; elle présentait un choix de ces données ainsi que des données recueillies en 1961 avant le 30 septembre à des stations établies pour la réalisation du programme permanent. La deuxième publication a porté sur les données recueillies dans le cadre du programme au cours des années hydrologiques 1962 et 1963. Par la suite, les données ont été publiées annuellement sous le titre *Données sur les sédiments - rivières canadiennes*. Depuis 1978, les données sont exprimées en unités du Système international (SI).

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations in Canada where sediment data were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations also listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published biennially. The latest edition supersedes all previous editions because it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

Un *Index de référence des données sur les sédiments* est publié. La première édition portait sur les données disponibles jusqu'en 1972. Les emplacements où des données sur les sédiments ont été recueillies au Canada par la Division des relevés hydrologiques y sont présentés sous forme de tableau. L'*Index* est subdivisé selon l'ordre alphabétique par province ou territoire, et les stations de mesure des sédiments sont classées par ordre alphabétique. À partir de 1978, les données sont exprimées en unités du Système international (SI). L'*Index* est publié tous les deux ans; l'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour effectuées depuis la dernière parution.

Une autre série de publications a porté le titre *Sommaire chronologique des données sur les sédiments de rivières canadiennes*. La première édition renfermait les données disponibles jusqu'en 1974. Cette série présentait un résumé donnant les moyennes mensuelles et annuelles historiques du débit des sédiments en suspension, les valeurs annuelles extrêmes de la concentration journalière et du débit journalier des sédiments en suspension et le débit annuel total des sédiments en suspension. À partir de 1978, les données ont été présentées en unités du Système international (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Recent revisions, corrections or additions made to the historical discharges and water levels are indicated by an "R" symbol in the summary publications. This "R" symbol is deleted from the data bank after publication of the summaries. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de référence des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées récemment aux débits chronologiques et aux niveaux d'eau sont accompagnées du symbole «R» dans les publications sommaires. Ce symbole «R» est omis de la banque de données après la publication des sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

SURFACE WATER DATA/DONNÉES SUR LES EAUX DE SURFACE

ALEXIS RIVER NEAR PORT HOPE SIMPSON - STATION NO. 03QC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.7 B	7.95B	5.55B	4.00B	17.0B	241	112 E	27.0E	20.5E	26.5E	16.4	65.0B	1
2	14.2 B	7.85B	5.50B	4.10B	20.0B	221	107 E	29.5E	22.0E	23.0E	18.7	61.0B	2
3	13.8 B	7.70B	5.45B	4.30B	23.5B	257	97.0E	32.0E	24.0E	21.2E	27.1	58.0B	3
4	13.4 B	7.60B	5.40B	4.60B	27.0B	373	90.0E	34.0E	22.2E	22.0E	25.0	55.0B	4
5	13.0 B	7.50B	5.35B	4.90B	32.0B	406	82.0E	37.5E	21.0E	21.0E	24.0	52.0B	5
6	12.8 B	7.40B	5.30B	5.70B	38.0B	345	73.0E	42.0E	19.0E	19.4E	22.3	49.0B	6
7	12.4 B	7.30B	5.20B	6.80B	44.0B	289	66.0E	47.0E	18.5E	18.4E	24.1	46.5B	7
8	12.1 B	7.20B	5.15B	8.30B	56.0B	251	60.0E	50.6A	20.0E	17.4E	23.8	44.0B	8
9	11.8 B	7.10B	5.10B	8.30B	66.0B	240	56.0E	42.0	21.5E	16.4E	27.0	42.0B	9
10	11.6 B	7.00B	5.00B	8.00B	78.0B	224A	55.0E	43.0	24.0E	15.8E	27.5	40.0B	10
11	11.4 B	6.90B	4.95B	7.80B	92.0B	212E	63.0E	38.7A	23.5E	15.0E	26.2	38.5B	11
12	11.2 B	6.80B	4.90B	7.50B	115 B	200E	67.0E	36.0E	22.5E	14.2E	25.8	37.0B	12
13	10.9 B	6.70B	4.85B	7.30B	137 B	190E	72.0E	33.0E	24.5E	13.2E	24.2	35.5B	13
14	10.7 B	6.60B	4.80B	7.05B	167 B	185E	68.0E	37.0E	26.0E	13.2E	25.0	34.3B	14
15	10.5 B	6.50B	4.75B	7.00B	195 B	174E	64.0E	39.0E	28.5E	14.2E	23.9	33.0B	15
16	10.3 B	6.45B	4.70B	7.60B	247	165E	74.0E	41.0E	30.0E	14.8E	23.9	32.0B	16
17	10.2 B	6.40B	4.65B	8.10B	268	180E	66.0E	42.0E	33.0E	15.5E	22.4	31.0B	17
18	9.90B	6.30B	4.60B	8.70B	251	192E	60.0E	39.0E	35.0E	16.3E	23.3	29.5B	18
19	9.75B	6.20B	4.57B	9.00B	223	204E	55.0E	36.0E	38.5E	17.0E	25.6	29.0B	19
20	9.60B	6.15B	4.55B	9.10B	198	214E	51.0E	32.0E	41.4A	17.8E	33.6	28.5B	20
21	9.40B	6.10B	4.52B	9.00B	193	198E	48.0E	29.0E	37.6	18.8E	47.1	27.5B	21
22	9.30B	6.00B	4.48B	8.90B	197	182E	45.0E	26.0E	45.5	19.9E	49.8	27.0B	22
23	9.20B	5.95B	4.44B	8.80B	211	165E	41.0E	24.0E	50.8	21.2E	47.5	26.5B	23
24	9.00B	5.90B	4.40B	8.85B	240	154E	38.2E	21.5E	46.6	22.6A	62.4	25.5B	24
25	8.90B	5.80B	4.36B	9.00B	256	138E	34.0E	20.0E	42.6	25.8	87.8	25.0B	25
26	8.70B	5.75B	4.25B	9.20B	268	152E	37.5E	18.0E	37.7	24.5	91.3	24.4B	26
27	8.60B	5.70B	4.20B	10.0 B	248	160E	42.0E	16.5E	34.6A	23.7	84.0B	23.8B	27
28	8.50B	5.60B	4.15B	11.7 B	293	145E	38.5E	15.2E	32.5E	21.4	79.5B	23.2B	28
29	8.40B		4.10B	13.0 B	423	134E	35.0E	16.8E	30.5E	22.9	74.0B	22.5B	29
30	8.20B		4.08B	14.6 B	486	122E	32.0E	17.8E	28.5E	22.5	70.0B	22.0B	30
31	8.10B		4.02B		318		29.5E	19.0E		20.7		21.5B	31
TOTAL	330.55	186.40	147.32	241.20	5 427.5	6 613	1 858.7	982.1	902.5	600.3	1 183.4	1 109.7	TOTAL
MEAN	10.7	6.66	4.75	8.04	175	220	60.0	31.7	30.1	19.4	39.4	35.8	MEAN
MAX	14.7	7.95	5.55	14.6	486	457	112	50.6	50.8	26.5	91.3	65.0	MAX
MIN	8.10	5.60	4.02	4.00	17.0	122	29.5	15.2	18.5	13.2	16.4	21.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 53.7
MAXIMUM DAILY, 486 ON MAY 30
MINIMUM DAILY, 4.00B ON APR 01
MAXIMUM INSTANTANEOUS, 517 AT 01:39 AST ON JUN 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 38 57 N
LONG 056 52 17 W
DRAINAGE AREA, 2 310 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 600	JUL	161 000
FEB	16 100	AUG	84 900
MAR	12 700	SEP	78 000
APR	20 800	OCT	51 900
MAY	469 000	NOV	102 000
JUN	571 000	DEC	95 900

TOTAL DISCHARGE, 1 690 000 dam³

ASHUANIPI RIVER AT MENIHEK RAPIDS - STATION NO. 03OA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	177	133	141	60.3	47.3	1 360	487	484	260	816	73.6	320	1
2	180	141	81.8	63.1	337	1 360	487	479	258	819	75.3	246	2
3	183	142	74.8	66.3	340	1 350	484	311	261	787	70.5	251	3
4	181	142	78.2	67.4	340	1 350	484	311	261	442	345	254	4
5	182	138	80.4	59.2	337	1 380	479	309	262	804	394	199	5
6	185	137	82.7	58.6	334	1 510	484	311	261	790	377	194	6
7	184	138	78.4	64.6	334	1 520	481	311	261	711	374	193	7
8	183	137	77.6	67.1	334	1 510	476	311	262	648	345	201	8
9	185	133	70.8	66.8	328	1 500	476	311	262	648	442	192	9
10	185	140	68.0	63.1	216	1 360	476	311	262	646	337	191	10
11	138	135	65.7	66.0	215	1 350	331	311	263	527	419	198	11
12	137	136	71.6	62.3	219	1 130	337	311	264	530	422	207	12
13	133	133	74.2	66.5	283	1 130	334	314	281	524	419	208	13
14	132	134	75.0	62.3	357	1 110	337	314	282	524	425	207	14
15	138	141	73.6	69.9	328	980	334	311	281	527	422	206	15
16	138	140	65.7	59.5	328	770	334	314	283	532	422	205	16
17	134	140	62.6	65.1	445	776	337	314	286	532	422	205	17
18	132	142	57.2	64.8	456	756	334	314	289	532	422	202	18
19	135	136	68.8	69.9	456	765	337	317	292	535	425	198	19
20	140	139	74.8	68.2	784	759	365	317	847	527	422	201	20
21	140	136	74.2	66.3	796	620	340	317	847	544	422	200	21
22	139	135	74.2	60.0	1 110	623	340	314	850	541	416	205	22
23	137	138	73.1	57.5	1 100	623	331	314	847	544	422	204	23
24	137	139	78.4	60.9	1 270	626	340	317	852	552	408	209	24
25	135	141	79.0	60.3	1 290	623	487	309	847	547	405	208	25
26	133	140	72.5	58.0	1 290	484	484	311	835	552	411	210	26
27	133	141	73.6	58.6	1 300	481	487	484	614	807	419	212	27
28	131	138	77.3	60.2	1 300	484	484	484	620	807	419	214	28
29	141		73.9	58.6	1 330	487	484	484	821	790	416	208	29
30	140		75.9	58.0	1 350	487	484	258	821	784	365	199	30
31	131		64.8		1 360		481	259		759		208	31
TOTAL	4 679	3 865	2 339.8	1 891.5	20 314.3	29 264	12 936	9 755	13 932	19 627	11 156.4	6 555	TOTAL
MEAN	151	138	75.5	63.1	655	975	417	315	464	633	372	211	MEAN
MAX	185	142	141	69.9	1 360	1 520	487	484	852	818	442	320	MAX
MIN	131	133	57.2	57.5	47.3	481	331	255	258	442	70.5	191	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 373
MAXIMUM DAILY, 1 520 ON JUN 07
MINIMUM DAILY, 47.3 ON MAY 01

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 27 18 N
LONG 066 37 30 W
DRAINAGE AREA, 19 000 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	404 000	JUL	1 120 000
FEB	334 000	AUG	843 000
MAR	202 000	SEP	1 200 000
APR	163 000	OCT	1 700 000
MAY	1 760 000	NOV	964 000
JUN	2 530 000	DEC	566 000

TOTAL DISCHARGE, 11 800 000 dam³

NEWFOUNDLAND

ATIKONAK RIVER AT GABBRO LAKE - STATION NO. 030C006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	296	240	753	232	232	865	677	478	63.7	142	589	461	1
2	296	240	736	241	241	886	680	386	63.7	142	589	461	2
3	296	238	719	246	246	927	680	340	63.7	122	589	436	3
4	291	205	708	246	246	947	677	341	65.1	106	589	374	4
5	268	205	691	246	246	968	671	342	65.1	106	589	357	5
6	268	205	674	246	246	989	618	342	65.9	106	589	357	6
7	268	205	663	246	246	1 010	608	342	65.9	127	589	358	7
8	268	205	646	246	246	1 010	608	344	67.3	282	552	358	8
9	268	205	635	246	246	1 040	618	344	67.3	380	426	358	9
10	268	205	624	246	246	1 040	613	344	68.0	456	385	358	10
11	208	205	608	246	246	1 050	608	344	69.5	1 100	387	358	11
12	142	205	597	246	246	1 060	608	345	69.5	1 130	388	358	12
13	142	205	586	263	263	1 080	609	200	71.0	863	405	357	13
14	142	350	575	280	280	1 080	608	201	70.8	767	411	357	14
15	142	505	565	297	297	1 080	608	201	70.8	767	421	357	15
16	142	767	554	323	323	1 080	613	164	70.8	537	464	357	16
17	142	962	543	365	365	1 080	613	146	133	407	464	357	17
18	142	938	532	399	399	1 050	613	146	135	387	464	357	18
19	142	929	522	432	432	1 060	613	144	136	438	464	347	19
20	142	902	511	463	463	1 050	613	144	136	362	464	295	20
21	142	884	500	504	504	1 050	613	145	137	632	464	274	21
22	142	867	489	538	538	1 040	613	145	139	1 040	464	260	22
23	142	850	479	581	581	1 040	613	145	142	705	464	260	23
24	142	833	468	617	617	1 040	613	146	142	692	464	260	24
25	142	816	463	654	654	1 010	613	146	141	692	464	260	25
26	156	799	448	690	690	965	532	147	141	843	464	260	26
27	177	782	443	726	726	927	478	146	142	593	464	260	27
28	196	765	433	753	753	775	478	93.3	143	640	464	260	28
29	241		422	784	784	674	480	63.7	120	642	462	260	29
30	241		412	814	814	677	478	62.3	142	642	462	260	30
31	240		407		825		476	63.7		611		260	31
TOTAL	6 234	14 717	17 406	12 416	13 240	29 550	18 542	6 941.0	3 007.1	16 459	14 454	10 252	TOTAL
MEAN	201	526	561	414	427	985	598	224	100	531	482	331	MEAN
MAX	296	962	753	814	825	1 080	680	478	143	1 130	589	461	MAX
MIN	142	205	407	232	232	674	476	62.3	63.7	106	385	260	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 447
MAXIMUM DAILY, 1 130 ON OCT 12
MINIMUM DAILY, 62.3 ON AUG 30

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 46 20 N
LONG 065 23 47 W
DRAINAGE AREA, 21 400 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	539 000	JUL	1 600 000
FEB	1 270 000	AUG	600 000
MAR	1 500 000	SEP	260 000
APR	1 070 000	OCT	1 420 000
MAY	1 140 000	NOV	1 250 000
JUN	2 550 000	DEC	886 000

TOTAL DISCHARGE, 14 100 000 dam³

DATA CONTRIBUTED BY -
CHURCHILL FALLS (LABRADOR) CORPORATION LIMITED

REGULATED SINCE 1973

ATIKONAK RIVER AT OSSAKMANUAN LAKE CONTROL STRUCTURE - STATION NO. 030D006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	4
5	0	0	0	0	0	0	0	0	0	0	0	0	5
6	0	0	0	0	0	0	0	0	0	0	0	0	6
7	0	0	0	0	0	0	0	0	0	0	0	0	7
8	0	0	0	0	0	0	0	0	0	0	0	0	8
9	0	0	0	0	0	0	0	0	0	0	0	0	9
10	0	0	0	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	0	0	11
12	0	0	0	0	0	0	0	0	0	0	0	0	12
13	0	0	0	0	0	0	0	0	0	0	0	0	13
14	0	0	0	0	0	0	0	0	0	0	0	0	14
15	0	0	0	0	0	0	0	0	0	0	0	0	15
16	0	0	0	0	0	0	0	0	0	0	0	0	16
17	0	0	0	0	0	0	0	0	0	0	0	0	17
18	0	0	0	0	0	0	0	0	0	0	0	0	18
19	0	0	0	0	0	0	0	0	0	0	0	0	19
20	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	21
22	0	0	0	0	0	0	0	0	0	0	0	0	22
23	0	0	0	0	0	0	0	0	0	0	0	0	23
24	0	0	0	0	0	0	0	0	0	0	0	0	24
25	0	0	0	0	0	0	0	0	0	0	0	0	25
26	0	0	0	0	0	0	0	0	0	0	0	0	26
27	0	0	0	0	0	0	0	0	0	0	0	0	27
28	0	0	0	0	0	0	0	0	0	0	0	0	28
29	0		0	0	0	0	0	0	0	0	0	0	29
30	0		0	0	0	0	0	0		0		0	30
31	0		0		0		0	0		0		0	31
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON JAN 01
MINIMUM DAILY, 0 ON JAN 01

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 26 53 N
LONG 064 46 09 W

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	0	DEC	0

TOTAL DISCHARGE, 0 dam³

DATA CONTRIBUTED BY -
CHURCHILL FALLS (LABRADOR) CORPORATION LIMITED

REGULATED SINCE 1964

BARTLETTS RIVER NEAR ST. ANTHONY - STATION NO. 02YA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.171B	0.231B	0.149B	0.158B	1.30B	12.2	1.79	0.319	0.452	1.02	5.67	2.15	1
2	0.165B	0.222B	0.148B	0.154B	2.50B	10.5	1.56	0.689	0.400	1.44	5.43	1.60 B	2
3	0.160B	0.218B	0.147B	0.151B	4.40B	13.1	1.35	0.783	0.378	1.33	4.30	1.23 B	3
4	0.153B	0.211B	0.146B	0.230B	6.67	12.5	1.22	0.842	0.351	1.23	3.49	1.23 B	4
5	0.148B	0.207B	0.145B	0.450B	6.28	15.4	1.15	0.853	0.302	1.08	2.96	1.18	5
6	0.142B	0.202B	0.144B	0.900B	4.98	10.7	1.06	0.812	0.309	0.956	2.51	1.13	6
7	0.138B	0.196B	0.143B	2.20 B	4.14	7.45	0.983	0.796	0.290	0.918	2.14	1.09	7
8	0.133B	0.193B	0.142B	2.05 B	3.54	5.87	0.934	0.735	0.497	0.851	1.76	1.07 B	8
9	0.128B	0.190B	0.141B	1.85 B	2.99	5.16	0.894	0.638	0.484	0.768	1.54	1.60 B	9
10	0.123B	0.187B	0.140B	1.65 B	3.19	4.56	0.849	0.570	0.455	0.784	1.44	3.27	10
11	0.120B	0.183B	0.139B	1.41 B	2.90	3.80	1.75	0.520	0.474	0.770	1.34	2.84	11
12	0.117B	0.180B	0.137B	1.26 B	3.04	3.23	2.20	0.583	0.495	0.763	1.58	2.40 B	12
13	0.113B	0.176B	0.136B	1.12 B	3.59	3.06	2.16	0.646	0.671	0.770	1.34	2.00 B	13
14	0.110B	0.174B	0.135B	1.01 B	3.80	2.84	1.98	0.698	0.893	0.990	1.32	1.60 B	14
15	0.107B	0.171B	0.134B	0.930B	3.56	3.06	1.78	1.83	1.07	1.79	1.24	1.38 B	15
16	0.103B	0.170B	0.133B	1.50 B	3.19	3.30	1.53	2.02	1.14	2.19	1.15	1.20 B	16
17	0.100B	0.168B	0.132B	2.60 B	2.96	3.03	1.34	1.00	1.13	2.24	1.04	1.09 B	17
18	0.097B	0.166B	0.131B	2.45 B	2.74	3.32	1.17	1.88	1.31	2.05	1.11	1.01 B	18
19	0.095B	0.164B	0.180B	2.25 B	2.45	5.20	0.970	1.79	1.35	1.88	2.04	1.32 B	19
20	0.093B	0.162B	0.174B	2.01 B	2.17	5.37	0.863	1.62	1.33	2.09	3.02	1.60 B	20
21	0.091B	0.160B	0.168B	1.81 B	1.95	4.40	0.776	1.40	2.45	1.86	3.37	2.18 B	21
22	0.088B	0.159B	0.162B	1.61 B	1.70	3.39	0.768	1.21	3.68	1.69	3.25	1.80 B	22
23	0.086B	0.158B	0.155B	1.48 B	1.58	2.76	0.755	1.06	3.45	1.50	3.01	1.46 B	23
24	0.083B	0.157B	0.190B	1.35 B	1.53	2.21	0.667	0.860	3.62	1.31	4.28	1.61 B	24
25	0.081B	0.155B	0.184B	1.25 B	1.42	2.11	0.622	0.716	3.21	1.98	5.17	1.80 B	25
26	0.115B	0.152B	0.179B	1.14 B	1.45	2.11	0.586	0.662	2.63	2.47	6.44	1.50 B	26
27	0.210B	0.151B	0.175B	1.06 B	1.92	2.10	0.525	0.577	2.14	2.29	5.86	1.30 B	27
28	0.270B	0.150B	0.171B	0.990B	3.02	2.11	0.441	0.526	1.74	2.13	4.74	1.00 B	28
29	0.258B		0.168B	0.940B	4.93	2.16	0.410	0.527	1.38	1.89	3.78	0.850B	29
30	0.247B		0.165B	0.900B	8.41	2.01	0.394	0.511	1.14	1.71	2.75	0.660B	30
31	0.238B		0.161B		16.3		0.341	0.481		3.24		0.540B	31
TOTAL	4.283	5.015	4.754	38.863	114.60	159.01	33.826	29.154	39.221	47.980	89.07	46.690	TOTAL
MEAN	0.138	0.179	0.153	1.30	3.70	5.30	1.09	0.941	1.31	1.55	2.97	1.51	MEAN
MAX	0.270	0.231	0.190	2.60	16.3	15.4	2.20	2.02	3.68	3.24	6.44	3.27	MAX
MIN	0.081	0.150	0.131	0.151	1.30	2.01	0.341	0.319	0.290	0.763	1.04	0.540	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.68
MAXIMUM DAILY, 16.3 ON MAY 31
MINIMUM DAILY, 0.081B ON JAN 25
MAXIMUM INSTANTANEOUS,
17.2 AT 08:14 NST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 57 N
LONG 055 38 31 W
DRAINAGE AREA, 33.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	370	JUL 2	920
FEB	433	AUG 2	520
MAR	411	SEP 3	390
APR 3	360	OCT 4	150
MAY 9	900	NOV 7	700
JUN 13	700	DEC 4	030

TOTAL DISCHARGE, 52 900 dam³

BAY DU NORD RIVER AT BIG FALLS - STATION NO. 02ZF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.0B	32.8B	19.8B	25.5B	94.7	36.7	48.1	10.4	5.50	12.6	51.5	60.6	1
2	36.5B	30.2B	19.0B	24.2B	88.6	33.2	45.2	10.7	5.26	55.1	48.9	57.8	2
3	33.0B	28.5B	18.5B	26.0B	94.3	30.9	42.4	10.7	5.13	37.5	47.3	54.8	3
4	30.0B	26.8B	24.5B	35.0B	88.2	28.3	39.4	10.3	5.37	29.5	47.1	52.0	4
5	28.0B	25.1B	35.0B	101	79.9	36.1	37.3	9.81	5.17	25.3	48.1	49.3	5
6	26.5B	24.0B	32.2B	100	75.1	34.4	35.8	9.72	4.82	32.9	48.2	48.0	6
7	24.8B	22.8B	30.0B	97.7	74.7	28.7	33.1	9.40	4.56	31.3	48.1	46.8	7
8	23.2B	21.7B	28.2B	178	71.3	29.8	30.9	9.08	4.93	29.9	47.6	44.8	8
9	22.5B	20.7B	26.8B	167	69.8	30.3	28.3	8.59	5.06	29.8	46.2	55.4	9
10	21.4B	19.7B	25.2B	167	71.3	26.6	26.1	8.12	4.62	34.5	43.9	121	10
11	21.0B	96.5	23.9B	172	68.6	24.8	25.8	8.00	6.72	36.2	45.1	76.9	11
12	24.0B	72.2	22.5B	286	69.9	23.5	24.5	7.73	7.33	34.2	53.9	70.4	12
13	22.5B	57.0	21.2B	228	67.6	22.3	23.1	7.88	6.22	33.0	49.5	70.0B	13
14	21.7B	51.5B	20.1B	207	63.2	21.3	21.6	7.73	5.59	33.0	46.9	64.0B	14
15	21.0B	47.5B	19.1B	195	60.4	20.0	19.9	10.2	5.33	50.6	44.4	60.0B	15
16	20.1B	42.8B	18.4B	187	58.4	19.3	18.8	10.3	5.04	46.1	43.0	57.0B	16
17	19.6B	39.0B	18.5B	183	54.9	18.9	17.9	9.25	4.90	41.1	41.7	83.7	17
18	19.0B	35.9B	18.8B	172	52.3	18.4	16.8	8.51	4.77	38.8	41.5	83.8	18
19	18.3B	33.0B	20.0B	158	49.5	17.8	16.0	8.56	4.83	37.9	60.2	119	19
20	17.8B	30.9B	23.0B	143	52.3	52.8	15.8	8.52	4.70	44.1	67.3	115	20
21	17.2B	28.8B	31.0B	130	62.1	61.6	15.0	7.96	13.9	42.9	60.1	96.0	21
22	16.8B	27.0B	44.5B	125	58.1	64.0	14.2	7.52	12.8	40.4	58.2	93.0	22
23	16.2B	25.5B	42.0B	127	53.2	56.2	13.7	7.19	8.84	38.6	57.6	88.9	23
24	15.8B	24.2B	39.1B	164	49.7	54.0	13.8	7.13	16.7	37.2	67.7	95.0	24
25	15.2B	23.1B	37.0B	136	46.5	57.0	13.6	6.65	21.3	40.3	69.1	152	25
26	15.0B	22.0B	35.0B	128	43.1	58.9	13.0	6.60	18.8	41.4	70.4	114	26
27	69.6	21.1B	33.0B	122	41.0	58.1	12.5	6.39	15.8	42.7	69.5	100 B	27
28	48.0B	20.5B	31.0B	117	39.0	56.4	12.1	6.28	13.6	46.2	65.6	90.0B	28
29	42.0B		29.2B	110	36.9	54.1	11.7	6.08	12.7	41.0	64.3	80.0B	29
30	37.0B		27.8B	102	36.0	51.0	11.4	5.97	12.0	41.7	62.6	74.0B	30
31	35.5B		26.5B		39.8		10.8	5.95		51.1		68.0B	31
TOTAL	810.3	950.8	840.8	4 113.4	1 910.4	1 125.2	708.6	257.22	252.29	1 176.9	1 615.5	2 441.0	TOTAL
MEAN	26.1	34.0	27.1	137	61.6	37.5	22.9	8.30	8.41	38.0	53.9	78.7	MEAN
MAX	69.6	96.5	44.5	286	94.7	64.0	48.1	10.7	21.3	55.1	70.4	152	MAX
MIN	15.0	19.7	18.4	24.2	36.0	17.8	10.8	5.95	4.56	12.6	41.5	44.8	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 44.4
MAXIMUM DAILY, 286 ON APR 12
MINIMUM DAILY, 4.56 ON SEP 07
MAXIMUM INSTANTANEOUS,
321E AT 11:55 NST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 44 48 N
LONG 055 26 30 W
DRAINAGE AREA, 1 170 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	70 000	JUL	61 200
FEB	82 100	AUG	22 200
MAR	72 600	SEP	21 800
APR	355 000	OCT	102 000
MAY	165 000	NOV	140 000
JUN	97 200	DEC	211 000

TOTAL DISCHARGE, 1 400 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 286 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

BIG BROOK AT LEAD COVE - STATION NO. 02ZL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.192	0.363	0.119B	0.178	0.742	0.418	0.329	0.044	0.062	0.354	0.979	0.428
2	0.869	0.301	0.110B	0.161	0.648	0.368	0.287	0.060	0.056	0.411	0.802	0.402
3	0.982	0.661	0.104B	0.175	0.644	0.314	0.255	0.048	0.054	0.672	0.689	0.755
4	0.644	0.257	1.29	0.207	0.707	0.281	0.212	0.045	0.070	0.715	0.576	0.783
5	0.479	0.203	2.97	0.406	0.669	0.290	0.202	0.042	0.072	0.638	0.523	0.649
6	0.428	0.181	1.51	0.962	0.615	0.393	0.189	0.042	0.070	0.565	0.490	0.641
7	0.367	0.168	0.865	1.05	0.638	0.452	0.179	0.041	0.069	0.527	0.477	0.718
8	0.320	0.153	0.552	0.901	0.565	0.526	0.174	0.042	0.067	0.481	0.438	0.659
9	0.268	0.136	0.412	0.792	0.541	0.794	0.184	0.042	0.075	0.429	0.407	0.613
10	0.228	0.151	0.308	0.656	0.701	0.737	0.183	0.037	0.074	0.532	0.369	0.647
11	0.200B	2.14	0.241	0.565	0.752	0.598	0.154	0.036	0.089	0.716	0.456	0.817
12	0.182B	2.50	0.221	1.06	0.638	0.512	0.141	0.032	0.078	0.681	0.859	0.674
13	0.166B	1.17	0.204	1.49	0.538	0.451	0.133	0.031	0.081	0.589	1.02	0.525
14	0.153B	0.703	0.181	1.10	0.494	0.371	0.117	0.029	0.076	0.533	0.844	0.553
15	0.141B	0.471	0.159	0.765	0.423	0.325	0.103	0.068	0.076	0.886	0.719	0.553
16	0.132B	0.370	0.141	0.619	0.409	0.296	0.096	0.080	0.074	1.06	0.609	0.529
17	0.122B	0.308	0.125	0.539	0.377	0.296	0.092	0.085	0.074	0.841	0.596	0.544
18	0.120B	0.245	0.227	0.593	0.339	0.299	0.074	0.084	0.083	0.670	0.562	0.661
19	0.150B	0.220	1.19	0.538	0.332	0.254	0.074	0.077	0.093	0.597	0.540	0.640
20	0.230B	0.201	1.10	0.462	0.988	0.459	0.073	0.081	0.128	0.610	0.566	0.632
21	0.199	0.175	0.784	0.404	2.50	0.917	0.066	0.076	0.151	0.573	0.564	0.504
22	0.177	0.155	1.15	0.370	2.09	1.24	0.062	0.076	0.138	0.517	0.513	0.475
23	0.151	0.138	0.928	0.437	1.86	2.10	0.060	0.065	0.149	0.475	0.506	0.434
24	0.131	0.161	0.666	1.27	1.22	1.40	0.062	0.058	0.157	0.422	0.515	0.458
25	0.126	0.194	0.579	1.71	0.912	1.05	0.065	0.060	0.140	0.404	0.508	0.619
26	0.135	0.156	0.444	1.49	0.761	0.990	0.068	0.051	0.293	0.344	0.487	0.659
27	0.492	0.140B	0.342	1.42	0.666	0.785	0.070	0.053	0.464	0.396	0.438	0.565
28	1.08	0.130B	0.292	1.27	0.550	0.600	0.063	0.052	0.471	0.579	0.425	0.500B
29	0.741		0.258	1.03	0.465	0.471	0.053	0.054	0.427	0.616	0.418	0.440
30	0.537		0.229	0.847	0.426	0.395	0.056	0.063	0.378	0.667	0.419	0.353
31	0.441		0.200		0.440		0.053	0.065		1.01		0.425
TOTAL	10.583	12.151	17.901	23.467	24.458	18.382	3.929	1.719	4.289	18.510	17.314	17.855
MEAN	0.341	0.434	0.578	0.782	0.789	0.613	0.127	0.056	0.143	0.597	0.577	0.576
MAX	1.08	2.50	2.97	1.71	2.09	2.10	0.329	0.085	0.471	1.06	1.02	0.817
MIN	0.120	0.130	0.104	0.161	0.332	0.254	0.053	0.029	0.054	0.344	0.369	0.353

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.467
MAXIMUM DAILY, 2.97 ON MAR 05
MINIMUM DAILY, 0.029 ON AUG 14
MAXIMUM INSTANTANEOUS,
4.27 AT 21:48 NST ON FEB 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 02 34 N
LONG 053 05 00 W
DRAINAGE AREA, 11.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	914	JUL	339
FEB	1 050	AUG	149
MAR	1 550	SEP	371
APR	2 030	OCT	1 600
MAY	2 110	NOV	1 500
JUN	1 590	DEC	1 540

TOTAL DISCHARGE, 14 700 dam³

BLANCHE BROOK NEAR STEPHENVILLE - STATION NO. 02YJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.740B	4.30 B	0.298B	1.49B	9.66	11.0	1.52	3.31	1.93	10.6	6.02	6.72
2	0.950B	3.65 B	0.287B	1.32B	25.4	8.31	1.36	2.53	1.50	15.5	4.63	5.43
3	1.20 B	3.10 B	0.271B	2.57	38.9	8.07	1.30	5.55	1.24	8.14	4.01	4.39
4	1.40 B	2.62 B	0.260B	9.53	23.2	10.7	1.23	7.75	1.03	5.75	3.57	3.39
5	1.34 B	2.30 B	0.250B	59.8	15.8	15.1	1.12	5.23	0.923	4.37	13.0	3.11
6	1.27 B	2.00 B	0.240B	38.4	13.0	10.0	1.07	3.78	0.821	4.94	8.90	4.95
7	1.20 B	1.72 B	0.230B	20.9	9.82	7.02	0.920	3.12	0.774	5.10	6.45	4.53
8	1.13 B	1.51 B	0.222B	11.3	8.28	6.00	0.878	2.26	4.37	8.71	5.24	8.71
9	1.06 B	1.35 B	0.214B	7.29	8.87	4.89	0.793	1.84	3.39	6.62	4.58	97.9 A
10	1.01 B	1.65 B	0.206B	5.55	11.8	4.13	1.05	1.68	2.44	16.8	3.97	54.0 E
11	0.960B	1.88 B	0.201B	4.62	15.6	3.43	2.73	1.60	3.54	10.0	3.85	38.5 E
12	0.910B	1.61 B	0.197B	9.52	26.6	3.01	1.77	1.51	1.95	7.20	6.09	27.0 E
13	0.860B	1.40 B	0.189B	10.5	16.7	2.65	1.31	7.40	2.91	13.4	5.17	13.8 A
14	0.830B	1.22 B	0.185B	7.94	18.0	2.39	1.23	5.44	3.16	25.9	4.40	13.6 B
15	0.800B	1.11 B	0.179B	6.23	21.6	2.34	1.09	4.90	2.44	20.7	3.85	11.6 B
16	0.760B	0.990B	0.174B	7.71	18.2	2.13	0.991	4.06	2.31	10.6	3.44	10.1 B
17	0.740B	0.890B	0.170B	12.3	18.4	2.11	1.62	2.93	2.39	6.67	3.37	11.4 B
18	0.930B	0.780B	0.430B	13.7	16.2	1.91	1.65	2.07	5.94	5.17	6.11	13.7 B
19	1.36 B	0.680B	1.10 B	10.9	14.6	2.04	1.42	8.89	4.35	4.68	29.2	56.5
20	1.22 B	0.620B	2.58 B	8.05	12.0	3.46	1.38	5.70	4.77	6.59	23.2	39.7
21	1.12 B	0.560B	2.25 B	8.13	9.96	5.01	1.30	3.85	7.95	5.17	13.3	22.3
22	1.07 B	0.505B	1.95 B	7.76	10.1	3.96	1.20	2.87	13.9	4.36	8.28	17.2
23	1.00 B	0.465B	1.60 B	11.2	10.6	3.36	0.992	2.26	7.88	8.73	6.00	22.6
24	0.950B	0.425B	1.00 B	13.8	10.2	2.81	12.4	1.78	34.8	6.38	8.07	39.1
25	0.910B	0.395B	3.35 B	9.76	9.28	2.44	30.5	1.51	15.6	10.9	7.59	38.5
26	1.70 B	0.365B	3.05 B	9.54	8.59	2.19	25.8	1.31	8.22	8.05	7.59	22.4
27	3.50 B	0.340B	2.70 B	10.5	8.74	2.05	17.7	1.18	5.05	5.45	6.88	15.7 B
28	8.90 B	0.332B	2.38 B	12.0	8.63	1.92	10.2	0.958	3.89	4.45	5.97	11.6 B
29	7.20 B		2.11 B	10.4	8.21	1.91	6.32	0.954	3.28	3.70	8.17	8.90B
30	6.20 B		1.88 B	9.03	12.0	1.73	4.55	1.57	2.76	3.31	10.1	6.99B
31	5.10 B		1.61 B		21.3		4.01	1.99		6.08		5.80B
TOTAL	58.320	38.767	32.765	351.74	458.24	138.07	141.434	101.782	155.508	264.02	231.00	630.42
MEAN	1.88	1.38	1.06	11.7	14.8	4.60	4.56	3.28	5.18	8.52	7.70	20.3
MAX	8.90	4.30	3.35	59.8	38.9	15.1	30.5	8.89	34.8	25.9	29.2	87.9
MIN	0.740	0.332	0.170	1.32	8.21	1.73	0.793	0.954	0.774	3.31	3.37	3.11

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.13
MAXIMUM DAILY, 87.9A ON DEC 09
MINIMUM DAILY, 0.170B ON MAR 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 32 56 N
LONG 058 34 11 W
DRAINAGE AREA, 120 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 040	JUL	12 200
FEB	3 350	AUG	8 790
MAR	2 830	SEP	13 400
APR	30 400	OCT	22 800
MAY	39 600	NOV	20 000
JUN	11 900	DEC	54 500

TOTAL DISCHARGE, 225 000 dam

REMARKS - THE E FOR DISCHARGE ABOVE 128.2 IS DUE TO CURVE EXTENSION

BOOT BROOK AT TRANS-CANADA HIGHWAY - STATION NO. 02YK008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.010B	0.345B	0.003	0.170B	2.99	1.47	0.129	0.041	0.058	0.156	1.27	0.150B	1
2	0.055B	0.295B	0.003	0.195B	6.21	0.662	0.084	0.032	0.049	0.280	0.664	0.118B	2
3	0.040B	0.255B	0.003	0.219B	6.10	0.361	0.065	0.032	0.042	0.262	0.483	0.090B	3
4	0.030B	0.230B	0.003	0.270B	3.15	0.269	0.055	0.041	0.034	0.232	0.357	0.065B	4
5	0.020B	0.205B	0.003	0.500B	1.78	0.270	0.045	0.034	0.029	0.203	0.988	0.058B	5
6	0.045B	0.190B	0.003	1.90 B	1.33	0.242	0.030	0.024	0.027	0.219	0.881	0.048B	6
7	0.040B	0.155B	0.005	4.30 B	1.07	0.181	0.027	0.019	0.023	0.215	0.492	0.042B	7
8	0.035B	0.142B	0.006	2.70 B	0.932	0.098	0.024	0.016	0.001	0.214	0.340	0.040B	8
9	0.030B	0.125B	0.007	2.00 B	1.02	0.070	0.018	0.012	0.078	0.220	0.272	0.440B	9
10	0.025B	0.185B	0.007	1.58 B	1.50	0.069	0.017	0.011	0.060	1.90	0.231	2.05 B	10
11	0.020B	0.132B	0.006	1.30 B	1.73	0.067	0.026	0.009	0.057	1.58	0.202	0.800B	11
12	0.015B	0.112B	0.008	1.18 B	1.99	0.060	0.021	0.012	0.053	0.740	0.194	0.560B	12
13	0.012B	0.106B	0.010	2.40 B	1.87	0.052	0.016	0.079	0.048	0.490	0.234	0.800B	13
14	0.010B	0.100B	0.012	1.70 B	1.64	0.044	0.013	0.074	0.043	0.793	0.222	0.800B	14
15	0.009B	0.085B	0.013	1.29 B	1.64	0.037	0.011	0.077	0.036	2.23	0.144	0.620B	15
16	0.008B	0.071B	0.011	2.00 B	1.27	0.041	0.004	0.062	0.034	1.38	0.140	0.540B	16
17	0.008B	0.062B	0.014	3.00 B	0.981	0.040	0.005	0.049	0.066	0.675	0.146	0.601B	17
18	0.008B	0.052B	0.200B	4.35 B	0.771	0.035	0.004	0.053	0.481	0.473	0.218	0.700B	18
19	0.007B	0.031B	0.640B	3.40 B	0.604	0.069	0.018	1.03	0.587	0.612	0.521	1.70 B	19
20	0.007B	0.019B	1.03 B	2.40 B	0.492	0.343	0.016	1.21	0.495	1.71	1.26	3.00 B	20
21	0.007B	0.011B	0.790B	1.65 B	0.449	0.475	0.017	0.514	1.20	1.16	1.06	1.42 B	21
22	0.019	0.008B	0.425B	1.30 B	0.396	0.389	0.023	0.249	1.20	0.650	0.774	0.600B	22
23	0.029	0.004B	0.900B	1.10 B	0.352	0.263	0.014	0.146	0.672	0.441	0.622	0.480B	23
24	0.037	0.003	1.50 B	0.960B	0.316	0.156	0.078	0.102	1.91	0.345	2.13	3.10 B	24
25	0.039	0.003	1.20 B	0.860B	0.289	0.144	0.660	0.076	1.29	0.967	1.50	2.40 B	25
26	0.300B	0.003	0.800B	0.800B	0.260	0.097	1.10	0.060	0.597	1.13	0.880	1.40 B	26
27	0.840B	0.003	0.510B	1.25 B	0.242	0.077	0.973	0.045	0.345	0.641	0.494	0.700B	27
28	1.90 B	0.003	0.350B	1.78 B	0.224	0.073	0.504	0.036	0.231	0.471	0.300B	0.400B	28
29	0.680B		0.250B	1.60 B	0.194	0.105	0.262	0.032	0.174	0.379	0.225B	0.242B	29
30	0.500B		0.210B	1.52 B	0.263	0.236	0.153	0.088	0.151	0.486	0.190B	0.180B	30
31	0.420B		0.190B		1.76		0.083	0.067		1.23		0.160B	31
TOTAL	5.205	2.935	9.112	49.674	43.815	6.503	4.495	4.332	10.153	22.484	17.434	24.304	TOTAL
MEAN	0.168	0.105	0.294	1.66	1.41	0.217	0.145	0.140	0.338	0.725	0.581	0.784	MEAN
MAX	1.90	0.345	1.50	4.35	6.21	1.47	1.10	1.21	1.91	2.23	2.13	3.10	MAX
MIN	0.007	0.003	0.003	0.170	0.194	0.035	0.004	0.009	0.023	0.156	0.140	0.040	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.549
MAXIMUM DAILY, 6.21 ON MAY 02
MINIMUM DAILY, 0.003 ON FEB 24
MAXIMUM INSTANTANEOUS,
8.16 AT 01:41 NST ON MAY 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 59 N
LONG 057 06 14 W
DRAINAGE AREA, 20.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	450	JUL	388
FEB	254	AUG	374
MAR	787	SEP	877
APR	4 290	OCT	1 940
MAY	3 790	NOV	1 510
JUN	562	DEC	2 100

TOTAL DISCHARGE, 17 300 dam³

BOTTOM CREEK NEAR ROCKY HARBOUR - STATION NO. 02YH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.245B	2.05 B	0.265B	0.280B	1.47	0.960	0.659	0.310	0.407	0.422	1.33	2.39	1
2	0.230B	1.76 B	0.250B	0.340B	1.82	0.931	0.632	0.309	0.365	0.390	1.34	2.00	2
3	0.215B	1.41 B	0.238B	0.480B	2.85	0.899	0.594	0.261	0.323	0.375	1.23	1.75	3
4	0.200B	1.21 B	0.229B	0.900B	2.90	0.843	0.541	0.227	0.288	0.362	1.14	1.31	4
5	0.232B	1.08 B	0.218B	4.79	2.59	0.866	0.498	0.202	0.263	0.333	1.50	0.327	5
6	0.218B	0.930B	0.209B	7.74	2.17	0.824	0.437	0.190	0.246	0.311	1.43	1.01	6
7	0.203B	0.840B	0.199B	6.21	1.95	0.759	0.393	0.177	0.228	0.341	1.36	1.48	7
8	0.193B	0.750B	0.191B	4.42	1.95	0.702	0.354	0.169	0.316	0.334	1.28	1.30	8
9	0.184B	0.700B	0.182B	3.47	1.83	0.648	0.304	0.156	0.321	0.322	1.18	3.68	9
10	0.175B	0.800B	0.176B	2.50	1.67	0.607	0.287	0.143	0.309	0.557	1.10	6.73	10
11	0.168B	0.860B	0.170B	1.88	1.56	0.555	0.323	0.134	0.298	0.535	1.08	4.69	11
12	0.160B	0.770B	0.163B	1.68	1.54	0.518	0.311	0.147	0.284	0.524	1.13	4.14	12
13	0.151B	0.700B	0.158B	1.61	1.79	0.470	0.296	0.223	0.284	0.513	1.15	3.40 B	13
14	0.144B	0.640B	0.152B	1.43	1.90	0.439	0.293	0.245	0.284	0.688	1.08	2.90 B	14
15	0.139B	0.590B	0.149B	1.33	1.86	0.405	0.279	0.246	0.256	1.43	1.04	2.50 B	15
16	0.133B	0.550B	0.142B	1.40	1.76	0.400	0.259	0.230	0.266	1.75	1.06	2.29 B	16
17	0.130B	0.510B	0.300B	1.62	1.59	0.405	0.248	0.220	0.231	1.83	1.05	2.05 B	17
18	0.157B	0.480B	0.500B	1.95	1.46	0.377	0.225	0.445	0.347	1.67	1.05	1.80 B	18
19	0.150B	0.455B	0.800B	2.03	1.31	0.721	0.235	1.16	0.355	1.61	1.85	2.20 B	19
20	0.143B	0.425B	0.700B	1.81	1.19	1.00	0.231	1.19	0.386	1.80	2.67	2.90 B	20
21	0.138B	0.399B	0.600B	1.76	1.13	1.07	0.228	1.15	0.462	1.66	2.70	2.50 B	21
22	0.132B	0.375B	0.480B	1.84	1.07	1.04	0.212	1.05	0.575	1.48	2.46	2.20 B	22
23	0.127B	0.355B	0.580B	1.90	0.953	0.970	0.214	0.928	0.595	1.59	2.14	1.90 B	23
24	0.121B	0.335B	0.700B	1.99	0.853	0.896	0.240	0.795	0.621	1.49	2.07	2.50 B	24
25	0.116B	0.317B	0.630B	1.89	0.776	0.833	0.297	0.678	0.608	1.61	2.91	3.20 B	25
26	0.800B	0.305B	0.560B	1.75	0.711	0.794	0.355	0.625	0.579	1.57	2.90	2.95 B	26
27	7.10 B	0.290B	0.480B	1.66	0.664	0.726	0.371	0.555	0.540	1.39	2.91	3.69 B	27
28	6.30 B	0.278B	0.430B	1.66	0.620	0.676	0.391	0.472	0.505	1.28	2.51	3.49 B	28
29	4.50 B		0.380B	1.66	0.568	0.650	0.380	0.424	0.454	1.18	2.55	3.30 B	29
30	3.40 B		0.345B	1.57	0.570	0.693	0.359	0.459	0.424	1.06	2.70	3.10 B	30
31	2.60 B		0.315B		0.842		0.325	0.432		1.17		2.00 B	31
TOTAL	28.906	20.164	10.891	65.370	45.887	21.677	10.801	13.952	11.420	31.577	52.70	77.677	TOTAL
MEAN	0.933	0.720	0.351	2.18	1.48	0.723	0.348	0.450	0.381	1.02	1.76	2.51	MEAN
MAX	7.10	2.05	0.800	7.74	2.90	1.07	0.659	1.19	0.621	1.83	2.91	6.73	MAX
MIN	0.116	0.278	0.142	0.280	0.568	0.377	0.214	0.134	0.228	0.311	1.04	0.327	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.07
MAXIMUM DAILY, 7.74 ON APR 06
MINIMUM DAILY, 0.116B ON JAN 25
MAXIMUM INSTANTANEOUS,
7.90 AT 18:07 NST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 06 N
LONG 057 54 34 W
DRAINAGE AREA, 33.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 500	JUL	933
FEB	1 740	AUG	1 210
MAR	941	SEP	987
APR	5 650	OCT	2 730
MAY	3 960	NOV	4 550
JUN	1 870	DEC	6 710

TOTAL DISCHARGE, 33 800 dam³

NEWFOUNDLAND

CHURCHILL RIVER ABOVE UPPER MUSKRAT FALLS - STATION NO. 03OE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 810	1 950	2 050	1 080	938	1 020E	1 050E	1 460E	1 300	1 610	1 480	1 330	1
2	1 860	2 010	2 030	1 060	962	1 020E	1 060E	1 480E	1 340	1 500	1 490	1 400	2
3	1 690	2 000	2 000	1 050	950E	1 020E	1 060E	1 490E	1 360	1 470	1 480	1 370	3
4	1 680	1 910	1 870	1 010	930E	1 020E	1 070E	1 500E	1 250	1 520	1 460	1 270	4
5	1 730	1 930	1 750	1 030	890E	1 010E	1 080E	1 510E	1 200	1 560	1 390	1 220	5
6	1 710	1 960	1 670	1 050	870E	1 010E	1 080E	1 520E	1 190	1 590	1 310	1 380	6
7	1 680	1 950	1 670	1 050	845E	1 010E	1 090E	1 510E	1 210	1 620	1 300	1 440	7
8	1 720	1 990	1 730	1 040	845E	1 010E	1 090E	1 500E	1 190	1 590	1 370	1 490	8
9	1 750	1 920	1 800	1 020	845E	1 010E	1 100E	1 460A	1 150	1 480	1 420	1 580	9
10	1 780	1 810	1 810	957	850E	1 010E	1 100E	1 490	1 120	1 400	1 480	1 570	10
11	1 790	1 710	1 770	927	850E	1 000E	1 110E	1 500	1 090	1 400	1 460	1 460	11
12	1 780	1 680	1 650	950	860E	1 000E	1 120E	1 530	1 040	1 480	1 470	1 380	12
13	1 820	1 650	1 530	1 000	870E	1 000E	1 140E	1 540	1 020	1 570	1 440	1 370	13
14	1 800	1 660	1 460	1 060	880E	1 000E	1 160E	1 470	1 060	1 590A	1 440	1 450	14
15	1 770	1 650	1 460	1 070	900E	1 000E	1 170E	1 410	1 190	1 620E	1 480	1 420	15
16	1 830	1 650	1 480	1 040	920E	1 000E	1 180E	1 440	1 380	1 620E	1 520	1 610	16
17	1 880	1 790	1 470	991	945E	1 000E	1 190E	1 480	1 530	1 610E	1 510	1 550	17
18	1 980	1 850	1 480	961	955E	1 010E	1 200E	1 460	1 550E	1 600E	1 470	1 450	18
19	2 050	1 810	1 430	969	960E	1 020E	1 230E	1 420	1 580	1 600E	1 430	1 470	19
20	1 970	1 790	1 320	981	970E	1 020E	1 250E	1 380	1 750	1 610E	1 400	1 440	20
21	1 860	1 810	1 280	987	980E	1 020E	1 270E	1 310	1 840	1 620E	1 410	1 500	21
22	1 840	1 890	1 280	986	990E	1 020E	1 290E	1 250	1 860	1 620E	1 450	1 530	22
23	1 850	1 950	1 300	985	1 000E	1 030E	1 310E	1 250	1 830	1 610E	1 480	1 570	23
24	1 940	1 960	1 290	952	1 010E	1 030E	1 330E	1 270	1 750	1 610E	1 490	1 480	24
25	1 970	1 980	1 290	934	1 020E	1 030E	1 350E	1 300	1 640	1 600E	1 490	1 440	25
26	1 990	2 000	1 220	960	1 020E	1 030E	1 360E	1 310	1 610	1 650A	1 430	1 390	26
27	1 990	2 020	1 200	974	1 020E	1 030E	1 380E	1 310	1 640	1 650	1 410	1 470	27
28	1 890	2 080	1 210	952	1 020E	1 040E	1 400E	1 250	1 670	1 650	1 450	1 410	28
29	1 890		1 250	942	1 020E	1 040E	1 420E	1 200	1 670	1 570	1 440	1 470	29
30	1 770		1 240	946	1 020E	1 040E	1 440E	1 200	1 670	1 450	1 370	1 600	30
31	1 870		1 120		1 020E		1 450E	1 240		1 420		1 540	31
TOTAL	56 940	52 360	47 150	29 914	29 155	30 500	37 530	43 440	42 680	48 490	43 200	45 060	TOTAL
MEAN	1 840	1 870	1 520	997	940	1 020	1 210	1 400	1 420	1 560	1 440	1 450	MEAN
MAX	2 050	2 080	2 050	1 080	1 020	1 040	1 450	1 540	1 860	1 650	1 520	1 610	MAX
MIN	1 680	1 650	1 120	927	845	1 000	1 050	1 200	1 020	1 400	1 300	1 220	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 390
MAXIMUM DAILY, 2 080 ON FEB 28
MINIMUM DAILY, 845E ON MAY 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 52 N
LONG 060 47 21 W
DRAINAGE AREA, 92 500 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1971

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 920 000	JUL	3 240 000
FEB	4 520 000	AUG	3 750 000
MAR	4 070 000	SEP	3 690 000
APR	2 580 000	OCT	4 190 000
MAY	2 520 000	NOV	3 730 000
JUN	2 640 000	DEC	3 890 000

TOTAL DISCHARGE, 43 700 000 dam³

CHURCHILL RIVER AT CHURCHILL FALLS POWERHOUSE - STATION NO. 03OD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 560	1 930	1 630	833	807	759	814	1 130	805	1 160	1 320	1 130	1
2	1 540	1 910	1 490	940	829	734	882	1 200	708	1 190	1 240	887	2
3	1 500	1 930	1 360	973	813	735	934	1 220	945	1 170	918	1 470	3
4	1 510	1 810	1 450	1 030	829	882	940	1 050	1 080	1 170	910	1 480	4
5	1 680	1 900	1 610	956	734	933	946	986	685	1 160	1 350	1 440	5
6	1 650	1 780	1 610	960	741	976	942	1 090	666	857	1 340	1 630	6
7	1 670	1 610	1 630	820	739	893	855	1 110	680	740	1 380	1 540	7
8	1 650	1 490	1 510	711	705	918	810	1 090	667	856	1 370	1 250	8
9	1 760	1 480	1 440	949	719	893	936	1 090	492	1 160	1 280	1 060	9
10	1 760	1 490	1 310	966	725	697	936	1 080	621	1 280	1 310	1 510	10
11	1 750	1 520	1 100	1 120	752	936	894	925	923	1 290	1 130	1 440	11
12	1 740	1 550	1 300	1 090	751	947	914	824	1 080	1 230	1 400	1 500	12
13	1 760	1 640	1 310	897	737	933	946	1 110	1 110	865	1 430	1 520	13
14	1 790	1 670	1 390	868	749	914	917	1 110	1 160	767	1 390	1 550	14
15	1 890	1 850	1 350	746	773	974	908	1 080	710	1 220	1 270	1 260	15
16	1 880	1 750	1 250	854	780	889	1 030	988	433	1 210	1 300	1 110	16
17	1 860	1 650	1 110	968	742	679	1 020	1 000	1 040	1 160	1 350	1 530	17
18	1 890	1 620	1 050	937	794	870	1 040	901	1 090	1 150	1 120	1 540	18
19	1 870	1 800	1 220	874	979	915	1 040	774	1 110	1 190	1 420	1 510	19
20	1 730	1 810	1 220	964	889	935	1 090	1 110	1 100	914	1 380	1 550	20
21	1 840	1 800	1 210	769	1 010	910	1 010	1 110	1 110	864	1 310	1 410	21
22	1 940	1 810	1 220	773	918	891	988	1 110	870	1 170	1 350	1 240	22
23	1 920	1 760	1 210	912	887	866	1 070	1 090	769	1 140	1 250	1 170	23
24	1 910	1 880	859	861	918	730	1 080	1 100	1 120	1 140	1 080	1 460	24
25	1 780	1 870	1 120	839	912	718	1 080	859	1 170	1 200	1 270	1 510	25
26	1 900	1 870	1 290	814	765	901	1 110	749	1 170	1 110	1 390	1 490	26
27	1 770	1 980	1 240	832	747	944	1 090	1 050	1 150	855	1 330	1 510	27
28	1 740	1 750	1 090	753	908	898	1 030	1 100	1 170	876	1 190	1 560	28
29	1 920		1 050	754	920	956	961	1 050	859	1 300	1 320	1 240	29
30	1 930		1 050	788	928	873	1 080	1 080	730	1 280	1 390	1 220	30
31	1 920		930		908		1 170	1 130		1 310		1 440	31
TOTAL	55 130	48 810	39 138	26 551	25 408	26 099	30 433	32 296	27 223	34 184	38 488	43 157	TOTAL
MEAN	1 780	1 740	1 260	885	820	870	982	1 040	907	1 100	1 280	1 390	MEAN
MAX	1 940	1 930	1 630	1 120	1 010	976	1 170	1 220	1 170	1 310	1 430	1 630	MAX
MIN	1 500	1 480	599	711	705	679	810	749	433	740	910	887	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 170
MAXIMUM DAILY, 1 940 ON JAN 22
MINIMUM DAILY, 433 ON SEP 16

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 32 10 N
LONG 063 57 51 W
DRAINAGE AREA, 69 200 km²

REGULATED SINCE 1971

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 760 000	JUL	2 630 000
FEB	4 220 000	AUG	2 790 000
MAR	3 380 000	SEP	2 350 000
APR	2 290 000	OCT	2 950 000
MAY	2 200 000	NOV	3 330 000
JUN	2 250 000	DEC	3 730 000

TOTAL DISCHARGE, 36 900 000 dam³

DATA CONTRIBUTED BY -
CHURCHILL FALLS (LABRADOR) CORPORATION LIMITED

CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS - STATION NO. 03OE007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	10.505	14.722	14.734	8.356	5.652	3.898	3.785	---	4.063	3.987	4.828	1
2	---	10.760	14.873	14.365	8.243	5.494	3.881	3.837	---	3.946	3.967	5.618	2
3	---	11.054	14.420	14.636	8.320	5.403	3.827	3.891	---	3.879	3.951	5.806	3
4	---	12.103	14.314	14.607	8.401	5.258	3.800	3.916	---	3.933	3.948	6.107	4
5	---	11.963	14.280	14.108	8.500	5.177	3.829	3.969	---	3.996	3.967	6.070	5
6	---	11.834	14.328	13.419	8.526	5.106	3.873	3.944	---	4.013	4.064	6.205	6
7	---	11.766	14.743	13.236	8.580	5.065	3.934	3.882	---	4.046	4.108	6.274	7
8	---	11.874	15.207	12.936	8.575	5.022	3.966	3.845	---	4.029	4.093	6.274	8
9	---	12.131	15.269	12.976	8.503	4.968	3.972	3.821A	---	3.938	3.998	6.306	9
10	---	12.623	15.005	12.554	8.427	4.904	3.959	---	---	3.851	3.963	6.265	10
11	---	12.691	14.689	12.239	8.285	4.810	3.933	---	---	3.817	3.930	6.126	11
12	---	12.944	14.526	12.091	8.170	4.689	3.932	---	---	3.879	3.898	6.005	12
13	---	12.500A	14.470	12.315	8.061	4.572	3.918	---	---	3.984	3.914	6.164	13
14	---	12.560A	14.561	12.087	7.948	4.482	3.889	---	---	4.042	3.965	6.275	14
15	---	---	14.736	11.751	7.854	4.446	3.961	---	---	4.026	3.947	6.465	15
16	---	---	14.752	11.311	7.797	4.394	3.846	---	---	3.892	3.925	6.666	16
17	---	---	14.658	11.021	7.853	4.334	3.819	---	---	3.842	3.919	6.644	17
18	---	---	14.515	10.663	7.877	4.256	3.823	---	3.988A	3.900	3.931	6.342	18
19	---	---	14.343	10.659	7.898	4.180	3.875	---	3.958	4.017	3.959	6.159	19
20	---	---	14.267	10.416	7.832	4.084	3.952	---	4.071	4.088	3.973	6.483	20
21	---	14.020A	14.186	10.924	7.919	4.043	3.998	---	4.109	4.109	3.988	6.726	21
22	---	14.068	14.200	10.676	7.797	4.021	4.058	---	4.154	4.163	4.013	6.830	22
23	---	13.876	14.364	10.158	7.550	3.979	4.077	---	4.158	4.064	4.041	6.838	23
24	9.774A	13.994	14.320A	9.931	7.180	3.920	4.073	---	4.187	4.064	4.053	6.772	24
25	9.508	14.386	14.900A	9.607	6.955	3.891	4.040	---	4.013	4.109	4.061	7.105	25
26	9.184	14.912	14.710	9.363	6.565	3.865	4.014	---	3.992	4.198A	4.044	---	26
27	9.012	14.965	14.319	9.217	6.351	3.828	3.992	---	4.016	4.186	4.067	---	27
28	9.281	14.741	---	9.253	6.164	3.863	3.970	---	4.054	4.192	4.154	---	28
29	9.824		15.265	8.857	6.017	3.897	3.930	---	4.059	4.147	4.214	---	29
30	10.54		15.324	8.574	5.979	3.904	3.897	---	4.083	4.059	4.289	---	30
31	10.49		15.095		5.836		3.850	---		4.004		---	31
MEAN	---	---	---	11.623	7.688	4.517	3.925	---	---	4.015	4.011	---	MEAN
MAX	---	---	---	14.734	8.580	5.652	4.077	---	---	4.198	4.289	---	MAX
MIN	---	---	---	8.574	5.836	3.828	3.800	---	---	3.817	3.898	---	MIN

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 57 N
LONG 060 46 08 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

CHURCHILL RIVER AT GRIZZLE RAPIDS - STATION NO. 03OE008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.091	6.447	7.311	4.386	3.796	4.518	3.686	3.707	3.607	3.797	3.830	3.731	1
2	7.011	6.510	7.288	4.291	3.772	4.450	3.652	3.728	3.625	3.746	3.820	3.775	2
3	7.968	7.212	7.213	4.213	3.708	4.373	3.619	3.744	3.563	3.798	3.813	3.697	3
4	7.973	7.488	7.033	4.216	3.637	4.302	3.620	3.769	3.484	3.832	3.758	3.649	4
5	7.187	7.400	6.857	4.182	3.565	4.272	3.650	3.761	3.493	3.850	3.685	3.743	5
6	7.326	7.320	6.826	4.164	3.507	4.283	3.690	3.720	3.510	3.878	3.661	3.849	6
7	7.927	7.226	6.834	4.131	3.531	4.302	3.732	3.694	3.499	3.868	3.724	3.930	7
8	7.625	7.101	6.866	4.074	3.573	4.290	3.756	3.690	3.422	3.776	3.774	4.010	8
9	7.184	7.050	6.861	3.938	3.617	4.266	3.741	3.669	3.400	3.703	3.825	4.011	9
10	7.021	7.317	6.645	3.790	3.658	4.210	3.720	3.685	3.370	3.693	3.824	3.904	10
11	6.915	7.227	6.341	3.792	3.645	4.148	3.728	3.702	3.325	3.755	3.907	3.868	11
12	6.791	7.068	6.073	3.830	3.659	4.065	3.719	3.703	3.304	3.845	3.794	3.893	12
13	6.701	6.942	5.928	3.949	3.676	4.030	3.703	3.650	3.423	3.888	3.778	3.996	13
14	6.510	6.900	5.964	3.934	3.698	4.008	3.693	3.613	3.544	3.849	3.821	4.182	14
15	6.428	7.155	5.955	3.811	3.787	3.976	3.682	3.643	3.673	3.743	3.853	4.042	15
16	6.495	7.126	5.898	3.672	3.876	3.949	3.658	3.673	3.793	3.719	3.844	4.043	16
17	6.503	7.351	5.855	3.524	3.999	3.918	3.653	3.663	3.753	3.806	3.817	3.952	17
18	6.547	7.626	5.649	3.485	4.094	3.877	3.703	3.643	3.746	3.843	3.782	3.913	18
19	6.606	7.515	5.411	3.500	4.200	3.801	3.743	3.608	3.887	3.858	3.747	3.960	19
20	6.399	7.348	5.272	3.498	4.330	3.775	3.790	3.550	3.995	3.916	3.725	3.976	20
21	6.431	7.378	5.245	3.494	4.436	3.762	3.828	3.502	4.035	3.937	3.782	4.062	21
22	6.366	7.455	5.249	3.507	4.500	3.745	3.858	3.536	4.025	3.870	3.808	4.070	22
23	6.416	7.400	5.236	3.562	4.549	3.719	3.848	3.569	3.962	3.866	3.810	4.064	23
24	6.519	7.315	5.274	3.619	4.566	3.696	3.830	3.581	3.888	3.884	3.812	3.992	24
25	6.523	7.309	5.144	3.616	4.576	3.667	3.832	3.586	3.858	3.902	3.778	3.964	25
26	6.477	7.349	4.897	3.644	4.591	3.636	3.827	3.579	3.880	3.909	3.737	4.446	26
27	6.432	7.360	4.904	3.665	4.580	3.613	3.813	3.509	3.906	3.917	3.768	7.421	27
28	6.249	7.342	5.068	3.695	4.559	3.650	3.798	3.456	3.917	3.880	3.772	8.719	28
29	6.276		4.963	3.717	4.588	3.679	3.766	3.479	3.923	3.774	3.748	5.554	29
30	6.330		4.535	3.767	4.601	3.685	3.719	3.543	3.896	3.735	3.733	4.270	30
31	6.460		4.423		4.575		3.692	3.587		3.801		4.051	31
MEAN	6.796	7.223	5.904	3.822	4.047	3.989	3.734	3.631	3.690	3.827	3.781	4.282	MEAN
MAX	7.973	7.626	7.311	4.386	4.601	4.518	3.858	3.769	4.035	3.937	3.853	8.719	MAX
MIN	6.249	6.447	4.423	3.485	3.507	3.613	3.619	3.456	3.304	3.693	3.661	3.649	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN 4.547
MAXIMUM DAILY 9.719 ON DEC 28
MINIMUM DAILY 3.304 ON SEP 12
MAXIMUM INSTANTANEOUS
10.398 AT 06:30 AST ON DEC 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 08 N
LONG 061 25 59 W

A - MANUAL GAUGE

REGULATED SINCE 1971

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

NEWFOUNDLAND

CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS - STATION NO. 03OE005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.705	1.059	5.340	---	---	---	---	---	-.197	---	---	-.117	1
2	0.698	1.316	5.463	---	---	---	---	---	-.158	---	---	0.044	2
3	0.405	2.232	4.838	---	---	---	---	---	-.189	---	---	-.030	3
4	0.441	2.406	4.762	---	---	---	---	---	-.300	---	---	-.202	4
5	0.544	2.209	4.720		---	1.287A	---	---	-.400	---	---	-.240	5
6	0.436	2.027	4.930	---	---	1.311	---	---	-.349	---	---	0.045	6
7	0.509	1.934	5.315	---	---	1.298	---	---	-.362	---	---	0.127	7
8	0.550	2.025	5.544	---	---	1.272	---	---	-.420	---	---	0.197	8
9	0.521	2.282	5.511	---	---	1.238	---	-.080 A	-.469	---	---	0.329	9
10	0.544	2.950	5.124	---	---	1.164	---	0.020	-.526	---	---	0.298	10
11	0.574	3.191	4.835	---	---	1.070	---	0.041	-.587	---	---	0.138	11
12	0.607	4.196	4.733	---	---	0.930	---	0.099	-.664	---	---	0.002	12
13	0.655	3.400	4.734	---	---	0.807	---	0.071	-.639	---	---	0.003	13
14	0.601	3.192	4.981	---	---	0.750	---	-.035	-.439	---	---	0.139	14
15	0.568	4.167	5.141	---	---	0.684	---	-.085	-.188	---	---	0.090	15
16	0.659	4.388	4.897	---	---	0.646	---	-.015	0.121	---	---	0.358	16
17	0.700	4.793	4.871	---	---	0.561	---	-.001	0.244	---	---	0.273	17
18	0.796	5.135	4.680	---	---	0.492	---	-.036	0.191	---	---	0.129	18
19	0.884	5.078	4.522	---	---	0.374	---	-.094	0.283	---	---	0.1 7	19
20	0.884	4.591	4.487	---	---	0.262	---	-.160	0.510	---	---	0.112	20
21	0.935	4.696	4.325	---	---	0.214	---	-.274	0.642	---	---	0.199	21
22	1.044	4.633	4.495	---	---	0.176	---	-.333	0.670	---	---	0.249	22
23	0.827	4.379	4.542	---	---	0.144	---	-.288	0.621	---	0.187	0.300	23
24	0.830	4.675	5.032	---	---	0.065	---	-.248	0.517	---	0.206	0.169	24
25	0.831	5.045	5.353	---	---	0.013	---	-.232	0.374	---	0.195	0.123	25
26	0.836	5.693	4.825	---	---	-.018	---	-.221	0.327	---	0.107	0.035	26
27	0.816	5.704	4.948	---	---	-.074	---	-.262	0.370A	---	0.067	0.155	27
28	0.708	5.312	5.340A	---	---	-.048 A	---	-.372	---	---	0.097	0.096	28
29	0.826		---	---	---	---	---	-.420	---	---	0.111	0.197	29
30	1.009		---		---		---	-.371	---	---	-.026	0.362	30
31	1.021		---				---	-.265		---		0.269	31
MEAN	0.709	3.668	---	---	---	---	---	---	---	---	---	0.129	MEA
MAX	1.044	5.704	---	---	---	---	---	---	---	---	---	0.362	MAX
MIN	0.405	1.059	---	---	---	---	---	---	---	---	---	-.240	MIN

SUMMARY FOR THE YEAR 1990

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 14 39 N
LONG 060 46 24 W

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 9.101 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - GSC DATUM ESTABLISHED BY S.N.C.-LAVLIN NFLD. LTD. IN 1979

COME BY CHANCE RIVER NEAR GOOBIES - STATION NO. 02ZH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	0.660B	0.930B	0.209B	0.500B	2.02	1.34	0.842	0.096	0.104	0.805	4.82	1.66	
2	2.60	0.740B	0.185B	0.449	1.67	1.05	0.679	0.093	0.097	2.62	3.48	1.42	
3	2.40	0.620B	0.500B	0.995	1.91	0.867	0.571	0.083	0.125	4.15	2.45	2.44	
4	1.72	0.505B	3.50 B	3.23	2.64	0.787	0.492	0.076	0.248	4.12	1.82	2.57	
5	1.30	0.435B	7.80 B	17.6	2.01	2.97	0.496	0.070	0.279	2.98	1.72	2.01	
6	1.45	0.370B	5.79	19.6	1.61	6.58	0.507	0.067	0.280	4.25	1.73	1.82	
7	0.967	0.332B	3.35 B	9.35	1.60	4.45	0.473	0.069	0.229	3.78	1.50	1.20	
8	0.660B	0.292B	2.13 B	13.7	1.55	5.34	0.438	0.064	0.355	2.58	1.46	1.93	
9	0.465B	0.262B	1.48 B	7.80	1.93	7.85	0.394	0.067	0.649	2.00	1.25	1.68	
10	0.378B	5.00 B	1.11 B	4.09	3.57	4.53	0.444	0.073	0.753	2.50	1.01	11.4	
11	0.428B	12.8 B	0.842B	3.10	3.07	2.92	0.635	0.073	1.47	3.20	1.03	8.29	
12	0.467	9.87	0.695B	16.3	2.69	2.07	0.604	0.067	2.90	2.40	2.64	4.47	
13	0.523	5.41	0.545B	9.26	2.69	1.54	0.511	0.063	2.20	1.84	1.16	2.38	
14	0.460B	3.63	0.480B	4.84	1.98	1.19	0.421	0.066	1.63	1.68	2.47	2.23	
15	0.395B	2.60 B	0.385B	3.02	1.65	0.967	0.356	0.133	1.23	7.05	1.93	2.15	
16	0.340B	1.81 B	0.330B	2.22	1.49	0.901	0.310	0.141	0.909	6.08	1.56	1.35	
17	0.290B	1.43 B	0.292B	2.11	1.31	1.10	0.282	0.161	0.758	3.72	1.38	1.93	
18	0.250B	1.15 B	0.252	2.90	1.11	1.05	0.262	0.134	0.683	2.47	1.31	3.59	
19	0.770B	0.940B	1.16	2.36	1.00	0.921	0.222	0.122	0.624	1.77	3.13	4.62	
20	0.715B	0.765B	2.85	1.79	12.0	9.75	0.189	0.172	0.540	2.05	12.3	6.39	
21	0.620B	0.655B	2.81	1.36	20.0	10.7	0.174	0.171	0.509	2.13	6.79	3.74	
22	0.545B	0.555B	5.89	1.28	12.2	9.04	0.175	0.167	0.549	1.62	4.41	2.71	
23	0.480B	0.490B	4.48	3.45	7.75	8.95	0.172	0.143	0.523	1.38	2.74	1.99	
24	0.445	0.435B	3.20	10.8	4.67	4.76	0.189	0.127	0.583	1.42	2.48	1.96	
25	0.388B	0.543B	1.86 B	6.27	3.07	3.86	0.235	0.115	0.776	0.922	2.60	3.99	
26	0.424	0.460B	1.40 B	4.42	2.22	3.54	0.249	0.107	2.10	0.916	2.58	3.35	
27	4.10	0.362B	1.11 B	3.17	1.70	2.63	0.213	0.103	2.25	1.20	2.51	2.33	
28	5.06	0.289B	0.950B	3.78	1.37	2.00	0.167	0.103	1.64	1.50	1.94	1.59	
29	3.23		0.760B	3.26	1.13	1.56	0.139	0.115	1.26	2.54	1.68	1.26	
30	1.90 B		0.665B	2.41	1.00	1.16	0.129	0.105	0.952	2.44	1.65	1.08	
31	1.17 B		0.580B		1.32		0.110	0.106		4.24		1.17	
TOTAL	35.600	53.680	57.590	166.374	105.93	106.373	11.083	3.303	27.205	83.053	81.21	91.70	
MEAN	1.15	1.92	1.86	5.55	3.42	3.55	0.358	0.107	0.907	2.68	2.71	2.96	
MAX	5.06	12.8	7.80	19.6	20.0	10.7	0.842	0.172	2.90	7.05	12.3	11.4	
MIN	0.250	0.262	0.185	0.449	1.00	0.787	0.110	0.063	0.097	0.805	1.01	1.08	

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.26
MAXIMUM DAILY, 20.0 ON MAY 21
MINIMUM DAILY, 0.063 ON AUG 13
MAXIMUM INSTANTANEOUS, 35.9E AT 21:13 NST ON APR 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 55 07 N
LONG 053 56 59 W
DRAINAGE AREA, 43.3 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 080	JUL	958
FEB	4 640	AUG	285
MAR	4 980	SEP	2 350
APR	14 400	OCT	7 180
MAY	9 150	NOV	7 020
JUN	9 190	DEC	7 920

TOTAL DISCHARGE, 71 200 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 35.0 IS DUE TO CURVE EXTENSION

CONNE RIVER AT OUTLET OF CONNE RIVER POND - STATION NO. 02ZE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.07	4.30	0.625B	0.520	3.78	0.788	0.768	0.478	0.308	1.45	15.1	3.17	1
2	1.42	3.08	0.600B	0.431	3.30	0.748	0.617	0.448	0.277	5.27	9.70	2.53	2
3	2.31	2.24	0.658	0.413	5.57	0.707	0.527	0.488	0.272	12.0	6.21	2.26	3
4	2.47	1.57	0.696	1.08	7.06	0.596	0.457	0.490	0.279	8.97	4.23	1.72	4
5	2.10	1.13	0.714	11.9	5.50	0.566	0.439	0.456	0.284	6.12	3.96	1.64	5
6	1.66	0.927	0.714	28.5 E	4.18	0.572	0.423	0.428	0.273	7.30	5.06	1.56	6
7	1.36	0.834	0.688	24.3 E	3.64	0.560	0.416	0.389	0.264	6.93	4.89	1.62	7
8	1.17	0.712	0.657	21.1 E	3.64	0.551	0.375	0.333	0.283	5.11	3.86	1.68	8
9	0.982	0.684	0.652	21.7 E	4.26	0.561	0.328	0.295	0.292	3.61	3.13	2.46	9
10	0.847	0.660	0.611	11.4	8.07	0.536	0.314	0.275	0.285	3.99	2.49	19.3	10
11	0.837	1.00	0.561	6.95	8.17	0.501	0.334	0.264	0.459	6.37	2.13	16.2	11
12	0.833	2.73	0.525	20.2 E	6.86	0.484	0.343	0.241	0.832	5.70	3.54	8.65	12
13	0.828	4.48	0.472	22.3 E	6.31	0.435	0.338	0.245	0.931	4.04	4.97	4.45	13
14	0.835	4.22	0.453	13.1	4.79	0.401	0.298	0.256	0.908	3.19	4.24	3.12	14
15	0.851	3.03	0.420	8.70	3.56	0.360	0.289	0.660	0.763	7.65	3.19	2.25	15
16	0.825	2.06	0.394	6.85	2.96	0.340	0.262	2.57	0.626	10.8	2.43	1.66	16
17	0.762	1.40	0.379	9.57	2.39	0.341	0.240	2.94	0.551	7.23	2.11	3.03	17
18	0.722	1.09	0.398	10.6	1.87	0.351	0.238	2.12	0.488	4.52	2.38	8.32	18
19	0.752	0.911	0.539	9.27	1.62	0.314	0.228	1.54	0.451	3.06	6.85	11.5	19
20	0.770	0.773	0.770	5.93	2.30	0.752	0.989	1.42	0.418	4.42	12.6	17.0	20
21	0.802	0.705	1.14	4.14	5.18	4.38	2.54	1.27	0.659	5.79	10.5	9.50	21
22	0.774	0.644	1.51	3.60	6.38	9.24	2.20	1.07	1.50	4.49	7.17	6.03	22
23	0.701	0.635	2.17	5.61	4.81	8.23	1.54	0.870	1.84	3.27	4.97	3.96	23
24	0.643	0.634	2.73	15.3	3.29	5.16	1.59	0.675	2.59	2.53	6.33	3.48	24
25	0.665	0.694	3.72	11.8	2.38	3.57	3.36	0.530	5.81	2.04	8.10	12.7	25
26	0.653	0.694	3.83	8.98	1.81	3.16	3.63	0.438	7.15	2.09	7.55	10.9	26
27	6.16	0.670B	3.07	8.06	1.48	2.50	2.64	0.377	6.22	2.46	7.53	6.34	27
28	16.3	0.650B	2.13	7.98	1.17	1.79	1.71	0.341	4.29	3.61	5.51	3.33	28
29	14.6		1.36	7.03	0.972	1.29	1.19	0.336	2.77	3.78	4.45	2.16	29
30	9.63		0.918	5.16	0.905	0.943	0.811	0.330	1.93	3.93	3.59	1.82	30
31	6.39		0.653		0.826		0.608	0.312		11.0		1.60B	31
TOTAL	80.722	43.157	34.757	318.474	119.053	50.727	30.042	22.875	44.003	162.72	168.77	175.94	TOTAL
MEAN	2.60	1.54	1.12	10.6	3.84	1.69	0.969	0.738	1.47	5.25	5.63	5.68	MEAN
MAX	16.3	4.48	3.83	28.5	8.17	9.24	3.63	2.94	7.15	12.0	15.1	19.3	MAX
MIN	0.643	0.634	0.379	0.413	0.826	0.314	0.228	0.241	0.264	1.45	2.11	1.56	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.43
MAXIMUM DAILY, 28.5E ON APR 06
MINIMUM DAILY, 0.228 ON JUL 19
MAXIMUM INSTANTANEOUS,
30.4E AT 17:05 NST ON APR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 10 08 N
LONG 055 29 00 W
DRAINAGE AREA, 99.5 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 970	JUL	2 600
FEB	3 730	AUG	1 980
MAR	3 000	SEP	3 800
APR	27 500	OCT	14 100
MAY	10 300	NOV	14 600
JUN	4 380	DEC	15 200

TOTAL DISCHARGE, 108 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 19.8 IS DUE TO CURVE EXTENSION

CORNER BROOK AT WATSONS BROOK POWERHOUSE - STATION NO. 02YL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.94	4.94	6.48	5.47	7.66	5.60	3.34	4.43	2.63	3.99	3.88	6.09	1
2	2.09	5.00	6.48	5.57	16.3	6.93	3.26	4.27	2.36	5.09	3.24	5.37	2
3	2.07	6.32	6.40	6.00	18.5	8.06	3.50	4.46	2.18	5.77	2.77	4.88	3
4	2.14	6.68	6.21	6.43	9.51	7.65	3.54	4.19	2.28	6.24	2.96	4.43	4
5	2.14	6.48	5.67	19.6	7.12	6.94	3.54	4.65	2.19	6.36	4.03	4.20	5
6	1.94	6.94	5.12	14.9	5.50	5.43	3.42	4.94	2.14	6.28	3.03	5.47	6
7	1.89	5.98	4.54	7.98	5.74	6.09	3.29	5.37	2.24	6.44	2.82	6.32	7
8	1.94	5.74	4.29	6.56	6.24	6.32	3.29	5.37	2.45	6.56	2.58	10.8	8
9	1.89	5.70	4.26	5.57	6.06	6.44	3.17	5.37	2.64	6.72	2.45	23.1	9
10	2.02	5.87	3.29	6.40	7.39	5.91	3.32	4.94	2.02	5.50	2.35	14.2	10
11	2.88	6.36	3.38	6.32	8.70	6.17	3.02	5.00	2.12	6.13	2.47	7.08	11
12	0.334	6.32	3.02	7.25	10.4	5.57	2.74	5.30	2.02	6.17	2.66	4.71	12
13	3.58	6.52	2.88	7.07	8.81	4.82	2.85	6.09	2.04	6.24	2.54	4.53	13
14	3.51	6.32	2.55	7.21	7.96	3.77	2.37	3.96	1.94	7.09	2.68	6.94	14
15	3.54	6.13	2.96	6.85	7.81	3.95	1.77	3.14	1.94	7.16	2.85	7.03	15
16	3.51	6.81	3.08	6.72	7.53	3.88	2.79	2.90	1.82	6.05	2.60	7.66	16
17	3.44	6.64	3.14	6.98	12.2	4.03	2.23	3.17	3.30	5.00	2.60	8.31	17
18	3.58	6.64	3.51	7.24	7.30	4.11	2.27	3.02	3.16	6.13	4.01	6.89	18
19	3.48	6.24	3.41	7.30	6.17	4.97	1.77	4.84	2.85	6.32	7.53	9.46	19
20	3.54	5.47	3.54	7.66	6.13	4.76	2.14	3.82	3.34	5.91	8.93	6.05	20
21	3.68	4.97	3.78	7.63	6.72	4.82	2.35	3.41	3.71	5.30	6.71	6.32	21
22	3.64	4.97	3.61	7.63	7.15	4.59	2.22	2.99	4.35	4.91	4.71	6.72	22
23	3.93	4.68	4.17	7.49	7.58	4.19	2.54	2.79	4.41	4.82	5.09	12.3	23
24	4.46	5.24	4.24	7.58	7.49	4.06	2.16	2.55	4.76	4.51	9.24	15.9	24
25	4.37	5.53	4.01	6.89	7.63	3.89	17.8	2.50	4.16	4.92	5.70	10.6	25
26	5.70	6.09	4.35	7.25	7.34	3.48	11.9	2.37	3.64	4.71	7.62	7.36	26
27	9.76	6.77	4.48	7.34	7.39	4.05	7.44	2.32	3.08	4.46	6.16	6.44	27
28	8.18	6.94	4.79	7.63	7.16	3.65	5.21	2.19	2.82	4.40	4.94	7.61	28
29	5.53		5.47	7.83	6.91	3.68	5.88	2.37	3.05	4.54	6.72	7.55	29
30	4.41		5.43	7.07	25.1	3.42	5.37	3.61	3.29	4.13	6.77	7.63	30
31	4.13		5.36		9.21		4.71	2.71		4.21		7.07	31
TOTAL	109.244	169.09	133.30	229.42	272.70	150.83	128.90	118.89	84.23	170.06	129.64	251.02	TOTAL
MEAN	3.52	6.04	4.30	7.65	8.80	5.03	4.16	3.84	2.81	5.49	4.32	8.10	MEAN
MAX	9.76	6.94	6.48	19.6	25.1	8.06	17.8	6.09	4.76	7.16	8.93	23.1	MAX
MIN	0.334	4.68	2.55	5.47	5.50	3.42	1.77	2.19	1.82	3.99	2.35	4.20	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.34
MAXIMUM DAILY, 25.1 ON MAY 30
MINIMUM DAILY, 0.334 ON JAN 12

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 55 26 N
LONG 057 54 11 W
DRAINAGE AREA, 127 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 440	JUL	11 100
FEB	14 600	AUG	10 300
MAR	11 500	SEP	7 280
APR	19 800	OCT	14 700
MAY	23 600	NOV	11 200
JUN	13 000	DEC	21 700

TOTAL DISCHARGE, 168 000 dam³

CORNER BROOK LAKE AT INTAKE HOUSE - STATION NO. 02YL009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	4.068	3.091	3.478	5.486	5.308	5.182	4.598	4.538	4.439	5.498
2	---	---	4.013	3.044	3.607	5.545	5.283	5.185	4.586	4.531	4.459	5.492
3	---	---	3.950	2.994	3.850	5.590	5.254	5.163	4.567	4.500	4.465	5.483
4	---	---	3.883	2.973	3.994	5.661	5.223	5.150	4.544	4.469	4.475	5.472
5	---	---	3.820	3.135	4.069	5.752	5.193	5.133	4.520	4.438	4.535	5.469
6	---	---	3.767	3.385	4.130	5.815	5.158	5.112	4.502	4.395	4.589	5.446
7	---	---	3.716	3.513	4.185	5.833	5.125	5.080	4.487	4.359	4.623	5.423
8	---	---	3.672	3.579	4.204	5.825	5.093	5.046	4.474	4.334	4.651	5.394
9	5.288	---	3.633	3.607	4.199	5.807	5.065	5.007	4.459	4.313	4.664	5.549
10	5.284	---	3.594	3.613	4.208	5.786	5.035	4.970	4.444	4.361	4.673	5.794
11	5.286	---	3.547	3.600	4.249	5.751	5.008	4.932	4.424	4.390	4.693	5.886
12	5.276	---	3.513	3.589	4.357	5.718	4.982	4.897	4.409	4.379	4.690	5.935
13	5.262	---	3.487	3.576	4.474	5.695	4.957	4.865	4.391	4.362	4.702	5.956
14	5.235	---	3.465	3.553	4.580	5.674	4.938	4.833	4.375	4.372	4.708	5.957
15	5.206	4.785	3.437	3.519	4.669	5.650	4.916	4.811	4.356	4.407	4.710	5.936
16	5.177	4.726	3.409	3.490	4.767	5.629	4.894	4.793	4.333	4.413	4.696	5.906
17	5.158	4.676	3.384	3.492	4.860	5.608	4.877	4.779	4.322	4.415	4.699	5.911
18	5.131	4.626	3.367	3.525	4.947	5.587	4.852	4.752	4.368	4.403	4.717	5.891
19	5.105	4.574	3.380	3.558	5.018	5.573	4.828	4.763	4.376	4.400	4.798	5.952
20	---	4.524	3.387	3.566	5.059	5.556	4.806	4.765	4.382	4.423	4.926	6.050
21	---	4.480	3.386	3.550	5.072	5.541	4.794	4.762	4.405	4.435	5.015	6.094
22	---	4.444	3.383	3.545	5.069	5.517	4.780	4.746	4.422	4.435	5.072	6.103
23	---	4.409	3.379	3.537	---	5.494	4.756	4.734	4.452	4.441	5.108	6.105
24	---	4.366	3.372	3.543	5.037	5.473	4.762	4.714	4.506	4.436	5.184	6.300
25	---	4.322	3.358	3.533	5.036	5.445	4.924	4.695	4.550	4.453	5.248	6.439
26	---	4.264	3.335	3.514	5.037	5.425	5.075	4.682	4.565	4.447	5.322	6.510
27	---	4.201	3.304	3.502	5.043	5.401	5.177	4.669	4.569	4.439	5.381	6.553
28	---	4.134	3.280	3.497	5.075	5.377	5.227	4.650	4.564	4.430	5.414	6.546
29	---		3.237	3.493	5.139	5.354	5.232	4.626	4.555	4.424	5.444	6.508
30	---		3.195	3.487	5.245	5.331	5.219	4.634	4.534	4.410	5.477	6.475
31	---		3.143		5.389		5.204	4.615		4.409		6.452
MEAN	---	---	3.512	3.453	---	5.597	5.030	4.863	4.468	4.418	4.853	5.951
MAX	---	---	4.068	3.613	---	5.833	5.308	5.185	4.598	4.538	5.477	6.553
MIN	---	---	3.143	2.973	---	5.331	4.756	4.615	4.322	4.313	4.439	5.394

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 56 N
LONG 057 51 05 W

MAXIMUM INSTANTANEOUS,
6.563 AT 16:30 NST ON DEC 27

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DEER LAKE NEAR GENERATING STATION - STATION NO. 02YL007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.915	5.353	4.980	5.144	5.490	6.234	5.303	5.141	5.136	5.388	5.611	5.684
2	4.838	5.442	4.959	5.122	5.597	6.392	5.214	5.117	5.129	5.331	5.599	5.625
3	4.796	5.484	4.960	5.101	5.843	6.393	5.081	5.099	5.054	5.296	5.574	5.566
4	4.797	5.460	4.968	5.077	6.071	6.361	5.035	5.093	4.914	5.278	5.560	5.486
5	4.809	5.417	4.979	5.081	6.302	6.370	5.013	5.106	4.901	5.259	5.567	5.402
6	4.826	5.373	4.973	5.138	6.414	6.408	5.017	5.130	4.915	5.250	5.560	5.344
7	4.870	5.334	4.981	5.245	6.400	6.430	5.018	5.144	4.950	5.246	5.543	5.328
8	4.929	5.292	4.978	5.381	6.304	6.372	5.017	5.144	4.974	5.216	5.498	5.286
9	4.951	5.238	4.969	5.507	6.171	6.268	5.015	5.131	4.989	5.208	5.462	5.337
10	4.950	5.212	4.972	5.576	6.069	6.139	5.015	5.117	5.001	5.262	5.435	5.601
11	4.963	5.208	4.990	5.610	5.997	6.030	5.015	5.081	5.018	5.310	5.410	5.851
12	4.966	5.183	4.994	5.611	5.993	5.930	5.013	5.057	5.030	5.347	5.349	5.985
13	4.984	5.151	4.996	5.575	6.039	5.831	5.010	5.073	5.045	5.378	5.313	5.994
14	4.984	5.115	5.006	5.544	6.105	5.737	5.040	5.074	5.045	5.420	5.286	5.837
15	4.990	5.096	5.016	5.520	6.179	5.665	5.043	5.081	5.054	5.539	5.272	5.739
16	4.994	5.076	5.017	5.506	6.191	5.612	5.044	5.072	5.074	5.727	5.248	5.637
17	4.990	5.064	5.021	5.500	6.163	5.593	5.023	5.071	5.094	5.920	5.212	5.566
18	4.992	5.045	5.028	5.547	6.140	5.565	5.004	5.072	5.139	5.952	5.201	5.532
19	5.008	5.042	5.039	5.600	6.113	5.553	5.010	5.111	5.163	5.903	5.214	5.522
20	5.012	5.030	5.047	5.636	6.070	5.595	5.011	5.177	5.198	5.867	5.297	5.548
21	5.009	5.019	5.045	5.674	5.990	5.703	5.001	5.240	5.239	5.871	5.417	5.537
22	5.010	5.016	5.047	5.699	5.878	5.792	5.005	5.289	5.303	5.880	5.525	5.501
23	5.007	5.012	5.041	5.703	5.775	5.796	4.998	5.299	5.351	5.846	5.606	5.488
24	4.991	5.020	5.062	5.678	5.678	5.737	5.000	5.278	5.400	5.776	5.701	5.534
25	4.975	5.028	5.121	5.632	5.609	5.665	5.103	5.259	5.461	5.698	5.805	5.446
26	4.985	5.020	5.152	5.579	5.560	5.589	5.175	5.239	5.517	5.696	5.892	5.363
27	5.036	5.012	5.171	5.535	5.524	5.512	5.200	5.199	5.516	5.710	5.943	5.410
28	5.075	5.003	5.187	5.525	5.522	5.453	5.200	5.173	5.486	5.758	5.876	5.419
29	5.144		5.189	5.531	5.572	5.396	5.193	5.135	5.456	5.710	5.820	5.398
30	5.147		5.171	5.518	5.711	5.350	5.174	5.135	5.422	5.654	5.738	5.377
31	5.235		5.158		5.954		5.162	5.131		5.624		5.363
MEAN	4.973	5.170	5.040	5.470	5.949	5.882	5.070	5.144	5.166	5.559	5.518	5.537
MAX	5.235	5.484	5.189	5.703	6.414	6.430	5.303	5.299	5.517	5.952	5.943	5.985
MIN	4.796	5.003	4.959	5.077	5.490	5.350	4.998	5.057	4.901	5.208	5.201	5.286

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

A - MANUAL GAUGE

MEAN, 5.373
MAXIMUM DAILY, 6.430 ON JUN 07
MINIMUM DAILY, 4.796 ON JAN 03
MAXIMUM INSTANTANEOUS,
6.436 AT 08:21 NST ON JUN 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 12 N
LONG 057 26 35 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEWFOUNDLAND

EAGLE RIVER ABOVE FALLS - STATION NO. 03QC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	105 B	56.0B	36.5B	24.5B	75.0B	1 280E	341	169	158	235	184	190B	1
2	103 B	55.0B	36.0B	24.8B	82.0B	1 260E	333	165	160	222	179	185B	2
3	100 B	54.5B	35.5B	25.2B	90.0B	1 340E	317	169	159	208	169	180B	3
4	97.5B	53.5B	35.0B	25.6B	100 B	1 280E	300	180	159	200	155	176B	4
5	95.0B	52.5B	34.5B	26.1B	110 B	1 320E	292	189	159	194	148	172B	5
6	93.0B	51.5B	34.0B	26.8B	130 B	1 340E	297	196	158	184	169	166B	6
7	91.0B	50.5B	33.5B	27.3B	150 B	1 420A	315	197	157	175	179	164B	7
8	89.5B	50.0B	33.0B	28.0B	180 B	1 340	317	199	166	170	176	159B	8
9	87.0B	49.0B	32.8B	29.0B	210 B	1 250	312	200	168	167	172	155B	9
10	85.0B	48.5B	32.2B	29.5B	250 B	1 110A	313	198	174	162	173	152B	10
11	83.5B	47.5B	31.9B	30.5B	300 B	1 020E	328	201	174	157	171	148B	11
12	82.0B	47.0B	31.2B	31.5B	350 B	920E	335	212	178	155	165	145B	12
13	80.0B	46.5B	31.0B	32.5B	417	840E	330	223	178	154	162	143B	13
14	78.5B	45.5B	30.5B	33.5B	481	790E	314	229	179	157	157	140B	14
15	76.5B	45.0B	30.2B	34.5B	526	740E	302	229	193	163	152	138B	15
16	75.5B	44.0B	30.0B	35.5B	568	700E	289	225	227	172	152	135B	16
17	74.0B	43.5B	29.5B	37.0B	615	670E	275	223	251	179	140	132B	17
18	72.5B	43.0B	29.2B	38.5B	648	630E	262	220	274	184	139	128B	18
19	71.0B	42.0B	28.7B	40.0B	684	600E	253	215	297	190	148	126B	19
20	70.0B	41.5B	28.4B	42.0B	727	570E	250	207	314A	196	161	124B	20
21	68.5B	41.0B	28.0B	44.0B	751	530E	252	202	320	221	158	122B	21
22	67.0B	40.5B	27.5B	46.0B	800	490E	258	196	316	248	155	118B	22
23	66.0B	39.5B	27.2B	48.5B	828	465A	251	187	322	248	152	116B	23
24	64.5B	39.0B	27.0B	51.0B	823	412	240	180	316	243	167	114B	24
25	63.5B	38.5B	26.7B	54.0B	842	378	230	171	302	231	203	112B	25
26	62.5B	38.0B	26.3B	56.5B	987	354	219	163	295	231	231	110B	26
27	61.0B	37.5B	25.9B	60.0B	971	343	210	157	284	236	220B	110B	27
28	60.0B	37.0B	25.7B	63.0B	1 010	333	203	153	271	225	210B	106B	28
29	59.0B		25.4B	66.0B	1 130	334	194	151	256	235	204B	104B	29
30	58.5B		25.0B	69.5B	1 280	339	185	150	246	235	196B	102B	30
31	57.0B		24.5B		1 300		177	154		216		100B	31
TOTAL	2 397.0	1 277.5	932.8	1 180.8	17 415.0	24 398	8 494	5 910	6 811	6 193	5 147	4 272	TOTAL
MEAN	77.3	45.6	30.1	39.4	562	813	274	191	227	200	172	138	MEAN
MAX	105	56.0	36.5	69.5	1 300	1 420	341	229	324	248	231	190	MAX
MIN	57.0	37.0	24.5	24.5	75.0	333	177	150	157	154	139	100	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 231
MAXIMUM DAILY, 1 420A ON JUN 07
MINIMUM DAILY, 24.5B ON MAR 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 03 N
LONG 057 29 42 W
DRAINAGE AREA, 10 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	207 000	JUL	734 000
FEB	110 000	AUG	511 000
MAR	80 600	SEP	588 000
APR	102 000	OCT	535 000
MAY	1 500 000	NOV	445 000
JUN	2 110 000	DEC	369 000

TOTAL DISCHARGE, 7 290 000 dam³

EXPLOITS RIVER AT GRAND FALLS - STATION NO. 02YO001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	139	202	90.9	106	203	286	126	125	152	---	294	219	1
2	146	189	86.4	87.2	385	243	128	134	141	---	256	198	2
3	102	164	83.0	82.4	600	179	133	151	101	---	235	191	3
4	101	134	89.8	102	782	200	139	150	140	---	216	207	4
5	97.4	130	76.5	188	685	191	140	151	164	78.7	222	194	5
6	111	119	72.2	351	699	178	135	140	178	78.7	215	191	6
7	105	136	76.5	419	572	177	128	144	134	---	207	219	7
8	104	148	77.6	476	572	174	144	133	147	---	202	221	8
9	117	146	67.4	456	490	159	129	123	---	84.3	240	214	9
10	141	148	70.8	385	450	161	128	137	---	92.9	212	300	10
11	146	135	62.3	300	362	154	144	142	---	148	208	314	11
12	152	139	58.3	255	382	151	144	135	---	133	198	268	12
13	136	152	61.4	277	270	161	141	150	---	163	201	276	13
14	140	152	71.8	283	394	159	143	138	---	166	210	306	14
15	138	144	69.1	268	541	162	142	131	---	164	211	306	15
16	136	148	59.2	242	524	166	144	129	---	166	206	314	16
17	132	138	56.6	266	447	174	143	129	---	170	201	289	17
18	134	125	58.0	374	490	179	146	129	---	163	207	270	18
19	135	119	69.1	371	429	180	142	138	---	184	229	311	19
20	108	121	70.5	323	377	174	143	132	---	201	270	311	20
21	112	126	71.6	292	445	180	128	114	---	216	286	354	21
22	109	112	72.5	282	402	180	151	113	---	211	266	320	22
23	114	110	64.8	324	303	170	113	135	---	196	228	328	23
24	117	110	80.7	228	334	154	108	135	---	179	257	345	24
25	73.6	101	93.2	225	368	180	183	139	---	181	262	402	25
26	113	99.4	93.4	236	320	166	180	133	---	174	264	314	26
27	164	98.5	110	243	292	163	123	138	---	194	226	294	27
28	189	93.4	111	225	357	151	114	130	---	174	236	262	28
29	214		114	228	198	149	118	129	---	165	216	365	29
30	223		109	207	274	144	115	130	---	177	213	377	30
31	206		97.7		490		118	133		268		334	31
TOTAL	4 155.0	3 739.3	2 427.0	8 001.6	13 436	5 225	4 203	4 210	---	---	6 894	8 814	TOTAL
MEAN	134	134	78.3	267	433	174	136	136	---	---	230	284	MEAN
MAX	223	202	114	476	782	286	183	155	---	---	294	402	MAX
MIN	73.6	93.4	51.8	82.4	198	144	108	114	---	---	198	191	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 782 ON MAY 04
MINIMUM DAILY, 51.8 ON MAR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 55 50 N
LONG 055 40 07 W
DRAINAGE AREA, 8 390 km²

REGULATED

REMARKS - DATA FOR SEP 9 - OCT 4 AND OCT 7 AND 8 IS UNAVAILABLE

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	359 000	JUL	363 000
FEB	323 000	AUG	364 000
MAR	210 000	SEP	---
APR	691 000	OCT	---
MAY	1 160 000	NOV	596 000
JUN	451 000	DEC	762 000

NEWFOUNDLAND

EXPLOITS RIVER BELOW NOEL PAULS BROOK - STATION NO. 02YO011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	191	195	85.0B	87.0B	173	246	162	127	139	75.4	161	130	1
2	164	148	85.0B	85.0B	309	230	149	140	113	80.2	154	121	2
3	147	128 B	82.0B	82.0B	518	229	162	157	108	84.1	141	129	3
4	127	112 B	81.0B	103 B	731	225	162	156	134	88.0	134	149	4
5	128 B	112 B	80.0B	135 B	735	214	155	155	146	89.9	137	152	5
6	127 B	118 B	78.0B	182 B	648	200	139	153	148	89.6	138	156	6
7	128 B	126 B	76.0B	252 B	618	198	141	152	150	89.6	136	157	7
8	127 B	132 B	74.6B	402 B	559	194	143	150	137	91.1	151	159	8
9	128 B	133 B	74.0B	540 B	477	190	146	148	120	94.2	160	163	9
10	129 B	126 B	73.0B	460 B	395	187	152	149	96.8	105	136	219	10
11	129 B	120 B	72.0B	380 B	317	183	157	154	90.5	110	138	262	11
12	129 B	121 B	71.0B	320 B	196	188	156	153	66.0	113	138	249	12
13	128 B	128 B	69.0B	275 B	263	193	156	152	61.5	119	139	226	13
14	125 B	131 B	68.0B	440 B	492	195	160	147	61.5	116	143	211	14
15	122 B	124 B	68.0B	275 B	588	201	171	137	66.2	117	143	200	15
16	118 B	117 B	68.0B	175 B	594	205	169 A	135	76.0	125	141	193	16
17	115 B	113 B	70.0B	192 B	607	217	160 A	137	76.3	120	141	194	17
18	110 B	111 B	74.0B	212 A	558	214	144	142	76.9	117	144	199	18
19	106 B	108 B	78.0B	229	461	208	143	142	75.0	133	151	244	19
20	105 B	106 B	81.0B	194	377	202	138	129	74.9	148	172	320	20
21	101 B	103 B	84.0B	169	399	203	129	132	77.0	154	175	332	21
22	97.0B	99.0B	87.0B	155	383	198	121	138	74.1	154	154	343	22
23	95.0B	97.0B	90.0B	148	396	195	101	143	69.0	149	126	306	23
24	94.0B	95.0B	93.0B	148	393	193	101	148	71.1	137	141	244	24
25	95.0B	93.0B	99.0B	139	381	192	110	147	71.2	136	156	257	25
26	96.0B	91.0B	107 B	143	374	190	93.1	145	72.2	135	153	285	26
27	112 B	89.0B	106 B	143	365	183	79.8	141	74.0	133	156	309A	27
28	142 B	88.0B	103 B	146	301	175	83.1	140	75.8	133	140	303A	28
29	180		98.0B	141	217	173	90.6	139	77.2	132	127	361	29
30	218		95.0B	135	529	170	103	137	77.2	133	123	317	30
31	209		92.0B		525		116	141		152		290	31
TOTAL	4 022.0	3 264.0	2 561.6	6 587.0	13 749	5 991	4 192.6	4 466	2 754.9	3 653.1	4 351	7 180	TOT
MEAN	130	117	82.6	220	444	200	135	144	91.8	118	145	232	MEA
MAX	218	195	107	540	735	246	171	157	150	154	175	361	MAX
MIN	94.0	88.0	68.0	82.0	173	170	79.8	127	61.0	75.4	123	121	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 172
MAXIMUM DAILY, 735 ON MAY 05
MINIMUM DAILY, 61.0 ON SEP 14
MAXIMUM INSTANTANEOUS,
819 AT 19:06 NST ON MAY 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 50 27 N
LONG 056 16 33 W
DRAINAGE AREA, 6 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	348 000	JUL	362 000
FEB	282 000	AUG	386 000
MAR	221 000	SEP	238 000
APR	569 000	OCT	316 000
MAY 1	190 000	NOV	376 000
JUN	518 000	DEC	620 000

TOTAL DISCHARGE, 5 430 000 dam³

REMARKS - PUBLISHED IN 1985-86 AS 6370 KM2, REVISED TO 6300 KM2 IN 1987

EXPLOITS RIVER BELOW STONY BROOK - STATION NO. 02YO005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	182	297	123	126	282A	420E	195E	167E	172	109	334	222	
2	221	272	119	120	461A	310E	190E	180E	167	115	293	200	
3	172	209	119	111	750E	260E	188E	200E	129	117	250	194	
4	163	165	119	121	1 200E	290E	186E	218E	153	119	226	196	
5	161	160	114	187	950E	270E	185E	218E	170	128	232	218	
6	194	159	111	355	980E	260E	185E	211E	178	124	228	221	
7	175	168	108	523	875E	255E	185E	206E	184	125	211	228	
8	174	175	108	650	780E	245E	185E	198E	181	126	212	223	
9	184	184	104	672	740E	235E	185E	190E	170	128	251	234	
10	175	179	103	592	677A	230E	186E	192E	138	150	217	319	
11	184	175	104	467	514	225E	185E	205E	130	176	206	392	
12	182	168	102	376	416	220E	185E	118E	117	162	204	349	
13	185	179	101	400	338	225E	185E	225E	99.9	170	205	273	
14	186	186	101	412	502	230E	185E	210E	97.1	173	213	330	
15	177	183	98.1	389	690	235E	185E	198E	95.1	172	214	281	
16	167	176	96.6	345	684	242E	185E	192E	100	174	215	286	
17	169	167	94.7	357	675	248E	183A	186E	107	176	209	330	
18	163	155	96.7	454	653	255E	188	182E	107	171	215	313	
19	172	148	108	510	569	258E	193	185E	106	161	238	322	
20	155	150	110	472	478	257E	205A	196E	107	194	300	453	
21	144	149	114	418	496	258E	200E	182E	108	208	321	452	
22	143	141	125	385	518	258E	180E	165E	109	208	301	459	
23	139	142	121	352	399	250E	220E	190E	106	205	258	446	
24	138	137	128	341	446	225E	180E	195E	106	190	268	374	
25	134	131	133	303	460	260E	160E	196E	108	184	307	384	
26	137	129	148	328	444	250E	285E	196E	107	181	301	384	
27	178	128	153	343	431	235E	186E	196E	108	182	299	371	
28	218	123	146	337	423A	225E	175E	196E	110	182	270	300	
29	277		140	314	294E	215E	170E	186E	111	177	251	376	
30	300		132	303	455E	204E	168E	185E	110	179	227	437	
31	306		131		705E		166E	169A		276		435	
TOTAL	5 655	4 735	3 611.1	11 063	18 285	7 550	5 839	5 933	3 791.1	5 142	7 476	10 002	T
MEAN	182	169	116	369	590	252	188	191	126	166	249	323	
MAX	306	297	153	672	1 200	420	285	225	184	276	334	459	
MIN	134	123	94.7	111	282	204	160	118	95.1	109	204	194	

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 244
MAXIMUM DAILY, 1 200E ON MAY 04
MINIMUM DAILY, 94.7 ON MAR 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 55 27 N
LONG 055 39 29 W
DRAINAGE AREA, 8 640 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	489 000	JUL	504 000
FEB	409 000	AUG	513 000
MAR	312 000	SEP	328 000
APR	956 000	OCT	444 000
MAY 1	580 000	NOV	646 000
JUN	652 000	DEC	864 000

TOTAL DISCHARGE, 7 700 000 dam³

GANDER RIVER AT BIG CHUTE - STATION NO. 02YQ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	45.2	160	40.2B	83.2	351	144	85.6	46.2	17.5	12.4	162	189	1
2	44.5	160	39.1B	80.7	349	136	80.2	46.6	17.3	14.6	210	179	2
3	44.1	152	38.0B	78.8	363	123	75.8	44.4	15.7	16.8	242	164	3
4	45.2	143	36.9B	81.3	374	117	70.7	41.4	14.9	22.9	218	151	4
5	47.0	132	35.7B	110	368	107	67.0	39.2	15.0	31.1	209	141	5
6	46.4	122	34.8B	233	345	98.1	62.9	38.2	13.5	35.1	201	132	6
7	46.1	114	33.8B	418	319	92.1	58.0	36.3	13.3	39.7	193	124	7
8	45.6	106	33.0B	601	301	85.5	54.2	34.9	11.9	43.6	186	117	8
9	44.2	98.7	32.2B	710	286	80.5	51.8	34.6	11.3	46.7	173	113	9
10	42.5B	91.1	31.3B	748	276	75.5	49.7	32.7	11.1	52.5	161	118	10
11	41.5B	89.5	30.8B	711	284	71.5	46.3	31.4	10.9	68.5	155	156	11
12	40.2B	84.0	30.0B	647	281	67.5	44.0	30.7	10.2	84.5	150	179	12
13	39.1B	79.3	29.5B	595	269	62.9	42.2	28.5	10.1	92.9	144	176	13
14	38.1B	76.2	28.9B	670	260	59.8	40.2	27.9	9.11	95.3	137	166	14
15	37.2B	71.6	28.3B	634	243	56.0	37.8	28.5	9.15	96.0	132	156	15
16	36.5B	68.0B	27.9B	575	228	52.3	36.1	26.6	9.56	98.0	124	144	16
17	35.6B	64.5B	27.5B	520	211	51.7	35.0	25.7	9.97	98.1	118	137	17
18	35.0B	62.0B	27.0B	489	195	51.8	33.7	25.9	9.94	96.7	112	134	18
19	34.1B	59.0B	28.8B	469	179	48.3	32.4	24.5	10.6	98.0	112	143	19
20	33.3B	57.0B	32.8	442	168	47.9	32.8	24.0	10.9	96.3	131	152	20
21	32.8B	54.5B	37.2	405	204	55.5	32.4	23.6	9.92	90.6	151	166	21
22	32.2B	52.0B	43.1	370	266	69.7	32.9	23.4	10.3	94.7	163	163	22
23	31.6B	50.0B	50.7	347	279	85.7	33.2	22.7	11.2	92.2	167	161	23
24	31.0B	48.0B	58.0	352	268	97.2	33.5	21.1	9.96	90.0	174	157	24
25	30.5B	46.5B	67.1	371	252	101	37.4	21.4	9.59	88.7	191	172	25
26	30.0B	45.0B	76.6	373	237	104	44.0	20.0	9.45	82.4	199	202	26
27	38.0	43.8B	84.9	373	221	105	46.9	19.8	9.81	79.9	200	203	27
28	56.2	42.0B	87.0	373	205	102	50.2	20.4	10.8	79.2	205	192	28
29	96.7		89.1	372	189	96.5	49.6	19.5	11.2	78.9	202	177	29
30	131		88.9	366	172	92.0	48.9	19.5	11.3	77.1	196	163	30
31	150		86.3		156		48.3	18.5		92.0		152	31
TOTAL	1 481.4	2 371.6	1 413.4	12 658.0	8 099	2 537.0	1 493.7	898.1	345.46	2 185.4	5 098	4 879	TOTAL
MEAN	47.8	84.7	45.6	422	261	84.6	48.2	29.0	11.5	70.5	170	157	MEAN
MAX	150	160	89.1	748	374	144	85.6	46.6	17.5	98.1	222	203	MAX
MIN	30.0	42.0	27.0	78.8	156	47.9	32.4	18.5	9.11	12.4	112	113	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 119
MAXIMUM DAILY, 748 ON APR 10
MINIMUM DAILY, 9.11 ON SEP 14
MAXIMUM INSTANTANEOUS,
752 AT 19:05 NST ON APR 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 55 N
LONG 054 51 13 W
DRAINAGE AREA, 4 400 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	128 000	JUL	129 000
FEB	205 000	AUG	77 600
MAR	122 000	SEP	29 800
APR	1 090 000	OCT	189 000
MAY	700 000	NOV	440 000
JUN	219 000	DEC	422 000

TOTAL DISCHARGE, 3 750 000 dam³

GARNISH RIVER NEAR GARNISH - STATION NO. 02ZG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.45B	9.82B	5.70B	3.77	8.64	6.90	8.58	1.50	1.91	5.64	13.7	9.25	1
2	10.8 B	8.35B	5.15B	3.47	7.69	7.47	7.23	1.41	1.88	6.15	15.2	8.14	2
3	16.8 B	7.55B	4.58B	3.62	8.24	7.41	6.22	1.20	1.84	8.95	14.3	7.44	3
4	15.1 B	6.76B	13.1 B	3.96	8.93	6.58	5.50	1.33	1.81	12.1	13.3	5.70B	4
5	13.4 B	5.98B	28.0 B	11.7	9.47	7.65	4.77	1.25	1.82	13.4	11.2	5.45B	5
6	11.9 B	5.36B	19.6 B	29.2	10.2	10.2	4.22	1.27	1.80	13.4	9.13	5.25B	6
7	10.5 B	4.83B	15.7 B	34.4	10.1	15.2	3.88	1.31	1.80	13.0	8.61	5.39	7
8	9.45B	4.25B	11.9 B	33.2	9.88	21.4	3.73	1.30	1.81	12.4	8.07	5.35	8
9	8.35B	4.05B	10.0 B	29.2	10.2	21.0	3.44	1.27	1.71	11.2	7.59	5.91	9
10	7.55B	4.43B	8.40B	22.9	11.5	19.3	3.31	1.19	1.59	10.1	6.87	10.9	10
11	7.22B	17.5 B	7.00B	19.6	12.0	16.3	3.08	1.15	2.01	9.75	6.46	15.4	11
12	8.00B	38.2 B	6.00B	27.5	14.1	13.7	2.75	1.10	2.30	10.2	6.84	16.8	12
13	9.05B	28.3 B	5.20B	34.4	15.6	11.5	2.62	1.20	2.85	10.3	9.20	15.9	13
14	8.38B	22.5 B	4.62B	30.4	12.3	9.99	2.44	1.16	3.48	9.43	10.1	11.6	14
15	7.85B	18.0 B	4.10B	23.4	10.9	8.23	2.24	1.61	3.72	11.2	9.82	7.35	15
16	7.35B	14.6 B	3.85	18.0	9.94	7.22	2.18	1.78	3.75	13.1	8.78	13.0	16
17	6.82B	12.6 B	3.23	15.8	9.22	8.37	2.52	2.50	3.63	14.2	7.96	12.8	17
18	6.37B	10.4 B	3.04	14.2	8.43	7.44	2.48	2.88	3.46	12.7	7.46	15.6	18
19	7.50B	8.92B	3.29	13.2	7.68	7.41	2.35	3.16	3.29	11.1	7.47	19.1	19
20	8.20B	7.80B	4.76	11.7	10.0	11.0	2.24	3.33	3.05	9.78	8.82	22.6	20
21	7.15B	6.75B	7.32	10.3	15.7	14.6	2.18	3.18	2.89	8.82	10.8	22.5	21
22	6.55B	5.98B	11.3	9.49	19.4	20.7	2.10	2.89	2.77	8.31	11.2	18.9	22
23	6.04B	5.30B	13.8	14.7	18.2	21.9	2.06	2.63	2.73	7.52	11.5	16.9	23
24	5.68B	4.80B	13.4	25.3	15.6	19.2	2.04	2.45	2.75	6.75	11.8	17.0	24
25	5.20B	6.45B	11.8	25.0	12.8	18.5	2.02	2.32	3.11	6.08	13.0	21.8	25
26	6.50B	7.82B	9.99	21.9	10.7	17.8	1.98	2.10	4.36	5.68	14.4	23.5	26
27	10.8 B	7.00B	8.43	18.2	9.11	16.1	1.90	1.95	5.56	5.50	14.4	20.1	27
28	15.9 B	6.15B	7.96	15.1	7.87	13.8	1.87	1.85	6.41	5.31	13.5	16.2	28
29	14.1 B		5.82	12.3	6.87	11.5	1.79	2.01	6.72	5.56	12.0	12.5 B	29
30	12.5 B		5.10	10.2	6.50	9.95	1.73	1.91	6.45	6.93	10.4	10.5 B	30
31	10.9 B		4.41		6.17		1.55	1.78		10.0		9.10B	31
TOTAL	288.26	290.45	266.55	546.11	328.94	388.32	97.04	57.97	93.26	294.56	313.88	407.93	TOTAL
MEAN	9.30	10.4	8.60	18.2	10.6	12.9	3.13	1.87	3.11	9.50	10.5	13.2	MEAN
MAX	16.8	38.2	28.0	34.4	19.4	21.9	8.58	3.33	6.72	14.2	15.2	23.5	MAX
MIN	5.20	4.05	3.04	3.47	6.17	6.58	1.55	1.10	1.59	5.31	6.46	5.25	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.24
MAXIMUM DAILY, 38.2B ON FEB 12
MINIMUM DAILY, 1.10 ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 12 50 N
LONG 055 19 45 W
DRAINAGE AREA, 205 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 900	JUL	8 380
FEB	25 100	AUG	5 010
MAR	23 000	SEP	8 060
APR	47 200	OCT	25 400
MAY	20 400	NOV	27 100
JUN	33 600	DEC	35 200

TOTAL DISCHARGE, 291 000 dam³

NEWFOUNDLAND

GLIDE BROOK BELOW GLIDE LAKE - STATION NO. 02YK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.615B	2.62 B	0.460B	1.19	5.65	7.95	0.728	1.61	0.456	0.821	8.22	3.57	1
2	0.710B	2.36 B	0.435B	1.10	12.2	6.40	0.648	1.29	0.454	0.917	7.06	2.85	2
3	0.800B	2.16 B	0.410B	1.07	24.3	4.68	0.590	1.08	0.371	0.876	5.26	2.33	3
4	0.840B	1.95 B	0.390B	1.41	23.5	3.57	0.526	0.950	0.327	0.889	3.91	1.94	4
5	0.785B	1.80 B	0.370B	3.08	17.0	3.02	0.485	0.857	0.336	0.884	4.57	1.66	5
6	0.755B	1.65 B	0.350B	7.25	12.2	2.52	0.445	0.787	0.275	0.851	5.60	1.46	6
7	0.720B	1.51 B	0.335B	11.5	9.52	2.14	0.353	0.710	0.281	0.790	4.62	1.32	7
8	0.690B	1.40 B	0.319B	11.6	7.82	1.78	0.314	0.600	0.258	0.810	3.61	1.23	8
9	0.660B	1.32 B	0.305B	9.06	6.77	1.53	0.309	0.529	0.304	0.813	2.87	3.69	9
10	0.630B	1.80 B	0.290B	6.88	7.28	1.34	0.274	0.452	0.298	2.17	2.42	11.1	10
11	0.605B	1.65 B	0.278B	5.26	9.37	1.21	0.303	0.421	0.273	4.13	2.12	9.67	11
12	0.583B	1.52 B	0.265B	4.14	11.7	1.09	0.303	0.397	0.278	3.97	2.10	6.28	12
13	0.559B	1.39 B	0.252B	3.68	13.7	0.994	0.293	0.472	0.273	3.18	1.97	4.77	13
14	0.538B	1.29 B	0.242B	3.91	12.7	0.870	0.269	0.540	0.244	3.62	1.70	3.53	14
15	0.518B	1.20 B	0.232B	3.73	11.5	0.839	0.229	0.536	0.237	6.92	1.57	2.80	15
16	0.500B	1.11 B	0.222B	3.69	10.2	0.716	0.226	0.470	0.222	7.15	1.43	2.29	16
17	0.480B	1.02 B	0.460B	3.47	9.37	0.710	0.211	0.441	0.229	5.43	1.40	2.44	17
18	0.520B	0.960B	1.15 B	8.72	8.27	0.727	0.196	0.400	0.477	3.95	1.52	3.74	18
19	0.560B	0.890B	1.90 B	10.6	7.30	0.679	0.211	0.667	0.691	3.19	2.27	5.54	19
20	0.540B	0.830B	1.85 B	9.63	6.31	1.70	0.240	1.24	0.768	4.89	3.88	7.77	20
21	0.520B	0.770B	1.80 B	8.61	5.55	2.81	0.215	1.29	1.13	5.62	4.38	6.34	21
22	0.495B	0.720B	2.02 B	8.00	4.90	2.77	0.264	1.15	1.59	4.68	4.13	5.17	22
23	0.475B	0.675B	2.33	7.49	4.48	2.38	0.256	0.968	1.63	3.81	3.87	3.96	23
24	0.460B	0.630B	2.70	6.52	4.06	2.00	0.361	0.742	1.85	3.10	6.27	7.13	24
25	0.440B	0.590B	2.94	5.68	3.78	1.59	5.44	0.653	2.11	3.06	8.19	8.32	25
26	1.50 B	0.550B	2.83	5.11	3.37	1.41	11.9	0.513	1.93	3.04	6.80	7.00B	26
27	5.00 B	0.520B	2.68	5.35	3.17	1.18	10.1	0.478	1.63	2.88	5.54	4.91	27
28	4.25 B	0.490B	2.30	6.27	3.05	0.989	7.42	0.464	1.33	2.63	4.43	3.40	28
29	3.65 B		1.96	6.15	3.08	0.941	4.79	0.397	1.15	2.36	3.66	3.74	29
30	3.25 B		1.76	5.58	3.15	0.822	3.18	0.436	0.937	2.35	3.83	2.78	30
31	2.90 B		1.47		5.63		2.19	0.501		5.00		2.64	31
TOTAL	35.548	35.375	35.305	177.73	270.88	61.357	53.069	22.041	22.339	94.781	119.20	137.07	TOTAL
MEAN	1.15	1.26	1.14	5.92	8.74	2.05	1.71	0.711	0.745	3.06	3.97	4.42	MEAN
MAX	5.00	2.62	2.94	11.6	24.3	7.95	11.9	1.61	2.11	7.15	8.22	11.1	MAX
MIN	0.440	0.490	0.222	1.07	3.05	0.679	0.196	0.397	0.222	0.790	1.40	1.23	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.92
MAXIMUM DAILY, 24.3 ON MAY 03
MINIMUM DAILY, 0.196 ON JUL 18
MAXIMUM INSTANTANEOUS, 26.5 AT 21:58 NST ON MAY 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 50 N
LONG 057 22 09 W
DRAINAGE AREA, 112 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 070	JUL	4 590
FEB	3 060	AUG	1 900
MAR	3 050	SEP	1 930
APR	15 400	OCT	8 190
MAY	23 400	NOV	10 300
JUN	5 300	DEC	11 800

TOTAL DISCHARGE, 92 000 dam³

GRAND LAKE AT MAIN DAM - STATION NO. 02YK009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	85.314	85.121	84.790	84.217	85.061	86.501	86.408	86.251	---	---	---	---	1
2	85.321	85.118	84.768	84.192	85.143	86.532	86.408	86.243	---	---	---	---	2
3	85.312	85.099	84.753	84.172	85.293	86.561	86.402	86.234	---	---	---	---	3
4	85.300	85.091	84.718	84.169	85.391	86.595	86.391	86.229	---	---	---	---	4
5	85.294	85.086	84.706	84.227	85.463	86.624	86.375	86.221	---	---	---	---	5
6	85.276	85.080	84.682	84.342	85.510	86.633	86.348	86.216	---	---	---	---	6
7	85.252	85.068	84.661	84.406	85.576	86.637	86.325	86.197	---	---	---	---	7
8	85.225	85.058	84.636	84.475	85.623	86.637	86.311	86.181	---	---	---	---	8
9	85.210	85.044	84.617	84.494	85.667	86.639	86.294	86.174	---	---	---	---	9
10	85.191	85.039	84.593	84.509	85.687	86.621	86.273	86.163	---	---	---	---	10
11	85.191	85.054	84.567	84.519	85.726	86.611	86.269	86.152	---	---	---	---	11
12	85.176	85.038	84.541	84.559	85.796	86.602	86.249	86.140	---	---	---	---	12
13	85.161	85.022	84.510	84.577	85.865	86.585	86.234	86.134	---	---	---	---	13
14	85.161	85.015	84.484	84.583	85.931	86.566	86.206	86.122	---	---	---	---	14
15	85.144	85.000	84.454	84.590	85.995	86.547	86.182	86.113	---	---	---	---	15
16	85.123	84.979	84.429	84.601	86.056	86.508	86.172	86.093	---	---	---	---	16
17	85.110	84.954	84.414	84.629	86.114	86.507	86.159	86.071	---	---	---	---	17
18	85.104	84.959	84.403	84.679	86.167	86.495	86.140	86.056	---	---	---	---	18
19	85.092	84.936	84.394	84.715	86.204	86.481	86.128	86.079	---	---	---	---	19
20	85.065	84.926	84.380	84.744	86.228	86.492	86.115	86.081A	---	---	---	---	20
21	85.032	84.916	84.362	84.764	86.249	86.499	86.093	---	---	---	---	---	21
22	85.011	84.902	84.373	84.792	86.277	86.497	86.091	---	---	---	---	---	22
23	84.988	84.887	84.364	84.811	86.289	86.489	86.081	---	---	---	---	---	23
24	84.990	84.865	84.353	84.847	86.300	86.476	86.077	---	---	---	---	---	24
25	84.973	84.852	84.327	84.886	86.314	86.471	86.163	---	---	---	---	---	25
26	84.973	84.831	84.319	84.909	86.325	86.461	86.234	---	---	---	---	---	26
27	85.021	84.814	84.310	84.937	86.349	86.451	86.273	---	---	---	---	---	27
28	85.055	84.800	84.287	84.974	86.372	86.446	86.293	---	---	---	---	---	28
29	85.082		84.264	85.008	86.391	86.432	86.281	---	---	---	---	---	29
30	85.081		84.257	85.034	86.413	86.409	86.268	---	---	---	---	---	30
31	85.109		84.241		86.473		86.265	---		---		---	31
MEAN	85.141	84.984	84.482	84.612	85.943	86.533	86.242	---	---	---	---	---	MEAN
MAX	85.321	85.121	84.790	85.034	86.473	86.639	86.408	---	---	---	---	---	MAX
MIN	84.973	84.800	84.241	84.169	85.061	86.409	86.077	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 057 15 35 W

A - MANUAL GAUGE

REGULATED

MAXIMUM INSTANTANEOUS, 86.643 AT 11:25 NST ON JUN 09

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEWFOUNDLAND

GRAND LAKE AT SOUTHWEST END - STATION NO. 02YK010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.803	2.604	2.253	1.698	2.528	3.958	3.896	3.736	3.287	2.768	2.671	2.800	1
2	2.745	2.584	2.254	1.681	2.620	3.987	3.896	3.753	3.262	2.752	2.679	2.806	2
3	2.769	2.581	2.226	1.666	2.758	4.030	3.891	3.710	3.262	2.733	2.676	2.801	3
4	2.784	2.587	2.207	1.670	2.874	4.071	3.873	3.689	3.264	2.715	2.674	2.812	4
5	2.769	2.581	2.177	1.723	2.952	4.096	3.847	3.689	3.222	2.703	2.675	2.840	5
6	2.762	2.569	2.156	1.815	3.041	4.097	3.820	3.683	3.194	2.680	2.702	2.808	6
7	2.742	2.558	2.135	1.896	3.062	4.108	3.815	3.669	3.169	2.659	2.711	2.779	7
8	2.728	2.549	2.114	1.941	3.101	4.118	3.797	3.660	3.134	2.655	2.676	2.786	8
9	2.712	2.548	2.093	1.975	3.131	4.107	3.775	3.642	3.110	2.660	2.665	2.838	9
10	2.698	2.547	2.065	1.986	3.168	4.112	3.762	3.627	3.091	2.692	2.654	2.930	10
11	2.708	2.547	2.043	2.004	3.238	4.095	3.731	3.617	3.064	2.707	2.668	2.948	11
12	2.704	2.524	2.012	2.020	3.279	4.078	3.715	3.603	3.044	2.706	2.615	2.945	12
13	2.664	2.510	1.993	2.033	3.360	4.046	3.707	3.595	3.019	2.700	2.596	2.964	13
14	2.656	2.488	1.959	2.053	3.429	4.032	3.677	3.590	2.996	2.719	2.572	2.962	14
15	2.636	2.470	1.935	2.066	3.487	4.015	3.661	3.562	2.970	2.733	2.553	2.959	15
16	2.617	2.466	1.916	2.079	3.555	4.008	3.650	3.540	2.941	2.726	2.537	2.980	16
17	2.597	2.462	1.904	2.101	3.623	3.992	3.638	3.523	2.915	2.712	2.529	3.005	17
18	2.584	2.422	1.874	2.137	3.684	3.972	3.615	3.509	2.913	2.715	2.548	2.977	18
19	2.551	2.424	1.863	2.179	3.723	3.984	3.613	3.529	2.894	2.721	2.570	3.020	19
20	2.514	2.407	1.857	2.210	3.759	3.996	3.588	3.531	2.877	2.704	2.576	3.073	20
21	2.526	2.383	1.870	2.250	3.782	4.001	3.578	3.516	2.879	2.719	2.597	3.085	21
22	2.514	2.372	1.865	2.285	3.797	4.002	3.573	3.491	2.848	2.720	2.614	3.110	22
23	2.515	2.362	1.842	2.324	3.804	3.985	3.560	3.468	2.849	2.723	2.626	3.111	23
24	2.480	2.354	1.823	2.365	3.810	3.975	3.572	3.463	2.849	2.738	2.647	3.217	24
25	2.472	2.332	1.817	2.390	3.821	3.950	3.652	3.435	2.843	2.725	2.663	3.282	25
26	2.469	2.310	1.807	2.399	3.806	3.937	3.712	3.433	2.838	2.738	2.686	3.340	26
27	2.475	2.292	1.779	2.438	3.817	3.931	3.745	3.426	2.834	2.746	2.704	3.332	27
28	2.535	2.280	1.765	2.482	3.837	3.919	3.765	3.396	2.813	2.730	2.744	3.351	28
29	2.537		1.749	2.486	3.857	3.910	3.762	3.375	2.787	2.723	2.754	3.350	29
30	2.615		1.733	2.506	3.923	3.904	3.768	3.350	2.768	2.716	2.787	3.357	30
31	2.618		1.715		3.933		3.743	3.314		2.683		3.356	31
MEAN	2.629	2.468	1.961	2.095	3.438	4.014	3.723	3.552	2.998	2.714	2.646	3.030	MEAN
MAX	2.803	2.604	2.254	2.506	3.933	4.118	3.896	3.753	3.287	2.768	2.787	3.357	MAX
MIN	2.469	2.280	1.715	1.666	2.528	3.904	3.560	3.314	2.768	2.655	2.529	2.779	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 2.943
MAXIMUM DAILY, 4.118 ON JUN 08
MINIMUM DAILY, 1.666 ON APR 03
MAXIMUM INSTANTANEOUS, 4.122 AT 03:21 NST ON JUN 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 40 12 N
LONG 058 04 46 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GRANDY BROOK BELOW TOP POND BROOK - STATION NO. 02ZC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.67B	6.80B	1.22 B	3.20B	44.2	21.5	2.11	2.10	1.64	34.8	11.9	7.42	1
2	2.35B	5.70B	1.15 B	2.71B	81.5	15.0	1.90	58.8	1.35	59.3	7.74	6.25B	2
3	3.00B	5.05B	1.08 B	10.4	103	13.8	1.63	85.0	1.24	37.2	6.37	5.60B	3
4	2.75B	4.45B	1.02 B	23.3	50.3	11.9	2.14	26.9	1.22	11.5	5.68	5.20B	4
5	2.45B	3.95B	0.960B	124	31.0	16.8	2.65	10.8	1.04	9.33	10.9	9.27	5
6	2.20B	3.55B	0.910B	94.2	24.5	11.9	2.37	7.00	1.00	11.5	7.81	13.0	6
7	1.98B	3.20B	0.870B	45.6	13.5	8.36	1.82	5.54	0.958	8.15	5.07	8.33	7
8	1.78B	2.92B	0.830B	81.0	14.7	6.98	1.54	4.41	6.12	7.52	5.99	26.2	8
9	1.61B	2.75B	0.790B	38.7	25.0	5.93	1.40	3.67	3.94	7.05	5.23	255	9
10	1.50B	5.50B	0.755B	20.0	51.3	5.19	1.76	3.51	2.48	26.3	4.91	69.0	10
11	1.85B	10.0 B	0.730B	14.1	44.7	4.43	2.68	3.20	11.6	12.9	16.1	21.8	11
12	2.00B	8.60B	0.705B	102	113	3.95	2.07	4.32	6.19	8.23	28.3	12.8	12
13	1.71B	7.20B	0.670B	49.5	58.2	3.33	1.49	25.0	3.64	7.26	10.7	9.54	13
14	1.55B	6.00B	0.655B	22.8	43.3	2.87	1.11	9.19	2.84	15.2	8.55	7.60B	14
15	1.40B	5.10B	0.635B	14.9	58.6	2.88	0.896	32.6	2.30	27.0	6.38	6.75B	15
16	1.29B	4.35B	0.615B	53.3	44.8	2.77	0.824	11.9	2.56	11.3	5.90	6.25B	16
17	1.19B	3.80B	0.600B	64.2	43.1	2.72	8.51	6.35	5.44	6.92	7.97	92.6	17
18	1.15B	3.35B	0.670B	63.2	37.8	2.65	5.67	4.61	16.8	5.15	36.1	32.3	18
19	2.12B	2.99B	3.00 B	32.1	29.0	2.41	5.13	4.43	6.98	39.9	84.3	183	19
20	1.81B	2.67B	9.30 B	16.4	65.2	12.5	14.0	4.08	5.35	51.0	65.1	37.3	20
21	1.61B	2.39B	6.70 B	14.4	52.8	22.0	6.11	3.16	49.0	14.4	30.1	14.8	21
22	1.45B	2.16B	11.0 B	12.5	39.7	12.6	4.08	2.64	17.6	8.97	15.2	11.0	22
23	1.28B	1.98B	8.00 B	35.8	32.0	6.36	2.68	2.26	10.0	7.57	11.6	9.59	23
24	1.21B	1.80B	9.00 B	35.6	26.1	4.42	37.5	1.89	140	6.13	33.8	69.6	24
25	1.15B	1.64B	10.0 B	16.7	21.2	4.75	17.7	1.61	22.5	67.4	25.6	96.2	25
26	3.50B	1.52B	7.90 B	21.4	23.2	4.70	7.83	1.46	12.0	17.7	48.7	16.6	26
27	22.0 B	1.41B	6.70 B	30.0	27.0	3.52	5.94	1.36	8.54	11.4	16.2	9.83	27
28	17.5 B	1.30B	5.70 B	31.0	21.1	2.95	4.57	1.43	7.17	8.44	11.3	7.00B	28
29	12.3 B		4.80 B	19.6	18.1	3.29	3.69	1.35	6.26	7.30	11.7	6.40B	29
30	9.80B		4.20 B	17.3	60.3	2.62	2.85	1.36	5.37	29.6	11.1	6.00B	30
31	8.10B		3.70 B		70.4		2.36	2.28		32.7		7.00B	31
TOTAL	117.26	112.13	104.865	1 109.91	1 368.6	224.98	157.010	335.41	371.128	589.32	556.30	1 059.23	TOTAL
MEAN	3.78	4.00	3.38	37.0	44.1	7.50	5.06	10.8	12.4	19.0	18.5	34.2	MEAN
MAX	22.0	10.0	11.0	124	113	22.0	37.5	85.0	140	67.4	84.3	255	MAX
MIN	1.15	1.30	0.600	2.71	13.5	2.41	0.824	1.36	0.958	5.35	4.91	5.20	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.7
MAXIMUM DAILY, 255 ON DEC 09
MINIMUM DAILY, 0.600B ON MAR 17
MAXIMUM INSTANTANEOUS, 425E AT 16:37 NST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 51 27 N
LONG 057 44 00 W
DRAINAGE AREA, 230 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 100	JUL	13 600
FEB	9 690	AUG	29 000
MAR	9 060	SEP	32 100
APR	95 900	OCT	50 900
MAY	118 000	NOV	48 100
JUN	19 400	DEC	91 500

TOTAL DISCHARGE, 527 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 181 IS DUE TO CURVE EXTENSION

GREAT RATTLING BROOK ABOVE TOTE RIVER CONFLUENCE - STATION NO. 02YO008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.10B	28.5 B	4.75B	8.90B	42.8	14.1	5.60	3.24	0.683	1.48	90.1	24.0	1
2	4.90B	23.5 B	4.45B	8.00B	62.6	12.2	4.92	2.88	0.673	2.21	56.8	16.0 B	2
3	6.20B	20.0 B	4.20B	9.40B	111	10.2	4.38	2.67	0.650	6.78	38.6	12.8 B	3
4	5.95B	17.1 B	3.95B	12.5 B	111	8.63	4.00	2.66	0.599	9.46	28.0	11.8 B	4
5	5.55B	15.2 B	3.80B	23.0 B	75.7	7.65	3.80	2.60	0.631	7.21	25.5	11.0 B	5
6	5.25B	13.5 B	3.75B	40.0 B	52.4	7.03	3.58	2.36	0.572	6.00	28.2	10.2 B	6
7	4.95B	12.0 B	3.47B	100 B	39.8	6.50	3.16	2.18	0.535	5.74	24.3	9.80B	7
8	4.65B	10.9 B	3.35B	194	37.9	5.90	2.92	1.99	0.573	5.73	19.9	9.40B	8
9	4.40B	9.80B	3.22B	179	39.8	5.41	2.68	1.84	0.637	6.51	18.7	9.00B	9
10	4.10B	12.3 B	3.15B	116	60.0	5.09	2.48	1.71	0.661	12.2	15.9	72.9	10
11	3.92B	14.1 B	3.05B	72.5	69.0	4.74	2.35	1.55	0.666	27.4	14.3	90.4	11
12	3.75B	16.0 B	2.95B	63.7	58.7	4.39	2.24	1.46	0.724	22.6	14.9	52.3	12
13	4.98B	14.9 B	2.85B	114	55.0	3.97	2.10	1.37	0.703	17.3	16.7	25.5 B	13
14	4.60B	13.6 B	2.75B	106	43.4	3.66	1.85	1.22	0.674	14.0	15.2	17.5 B	14
15	4.25B	12.5 B	2.68B	77.1	36.7	3.31	1.72	1.23	0.660	13.4	13.3	13.7 B	15
16	3.90B	11.5 B	2.60B	60.0	30.3	3.09	1.61	1.27	0.621	13.3	11.7	15.0 B	16
17	3.65B	10.8 B	2.55B	63.4	25.8	3.22	1.56	1.20	0.637	11.6	10.8	17.5 B	17
18	3.50B	9.90B	3.50B	80.0	21.1	3.35	1.49	1.15	0.633	10.2	11.4	24.0 B	18
19	4.10B	9.20B	4.60B	86.0	17.9	3.40	1.60	1.13	0.674	9.07	28.7	35.0 B	19
20	4.40B	8.60B	6.00B	65.2	19.2	3.59	2.16	1.15	0.650	13.7	66.6	56.9	20
21	4.03B	8.00B	8.30B	52.0	56.4	16.8	2.01	1.16	1.01	20.2	61.8	29.9 B	21
22	3.82B	7.50B	11.1 B	47.9	62.1	31.2	2.14	1.24	1.16	15.9	43.4	22.0 B	22
23	3.65B	7.00B	15.0 B	48.0	44.0	28.6	2.17	1.20	1.16	12.7	33.0	16.6 B	23
24	3.50B	6.60B	20.0 B	75.0	32.0	19.9	2.73	1.02	1.43	11.2	47.6	14.3 B	24
25	3.35B	6.20B	25.0 B	61.4	24.9	16.7	6.93	0.947	1.63	10.5	61.1	42.1 B	25
26	3.25B	5.80B	20.0 B	52.6	20.8	16.3	15.8	0.839	1.90	10.2	52.4	23.5 B	26
27	10.0 B	5.50B	16.8 B	58.3	18.1	13.0	11.5	0.775	2.09	10.4	52.0	20.0 B	27
28	25.0 B	5.20B	14.7 B	65.2	15.7	10.3	8.02	0.704	1.93	11.2	38.7	18.0 B	28
29	56.0 B		12.5 B	57.2	12.9	8.49	6.01	0.767	1.77	11.1	32.7	16.5 B	29
30	47.0 B		11.2 B	49.1	11.0	6.80	4.73	0.759	1.60	11.4	27.9	15.4 B	30
31	36.0 B		10.0 B		11.9		3.86	0.730		56.3		14.4 B	31
TOTAL	287.70	335.70	236.22	2 045.40	1 319.9	287.52	122.10	47.001	28.536	396.99	1 000.2	767.40	TOTAL
MEAN	9.28	12.0	7.62	68.2	42.6	9.58	3.94	1.52	0.951	12.8	33.3	24.8	MEAN
MAX	56.0	28.5	25.0	194	111	31.2	15.8	3.24	2.09	56.3	90.1	90.4	MAX
MIN	3.25	5.20	2.55	8.00	11.0	3.09	1.49	0.704	0.535	1.48	10.8	9.00	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 194 ON APR 08
MINIMUM DAILY, 0.535 ON SEP 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 49 38 N
LONG 055 31 50 W
DRAINAGE AREA, 823 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 900	JUL	10 500
FEB	29 000	AUG	4 060
MAR	20 400	SEP	2 470
APR	177 000	OCT	34 300
MAY	114 000	NOV	86 400
JUN	24 800	DEC	66 300

TOTAL DISCHARGE, 594 000 dam³

GREAVETT BROOK ABOVE PORTLAND CREEK POND - STATION NO. 02YE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.530B	9.60 B	0.560B	2.01B	2.60B	16.6	7.94	3.50	4.66	4.82	6.21	8.80	1
2	0.510B	7.70 B	0.530B	1.83B	5.00B	13.2	6.62	3.26	3.68	4.86	5.36	6.82	2
3	0.540B	6.40 B	0.500B	1.69B	9.00B	18.9	5.40	2.89	3.22	5.18	4.32	5.40	3
4	0.565B	5.20 B	0.470B	1.95B	16.0 B	21.5	4.53	3.54	2.74	5.09	3.81	4.40B	4
5	0.580B	4.40 B	0.450B	3.00B	18.9 B	28.6	4.02	4.85	2.29	4.70	4.34	3.60B	5
6	0.560B	3.75 B	0.430B	4.20B	16.5 B	22.3	3.92	5.28	2.10	4.66	4.15	2.90B	6
7	0.540B	3.25 B	0.415B	7.50B	8.50B	13.8	3.75	4.46	1.89	4.55	3.81	2.50B	7
8	0.520B	2.78 B	0.398B	8.80B	5.90B	10.6	3.34	3.61	4.23	4.41	3.60	3.20B	8
9	0.500B	2.30 B	0.385B	8.40B	4.60B	9.25	2.92	3.02	4.91	4.10	3.15	14.5	9
10	0.485B	2.55 B	0.372B	7.30B	4.00B	8.56	2.85	2.67	4.63	5.20	3.08	20.6	10
11	0.470B	2.72 B	0.360B	6.00B	5.00B	7.32	3.91	2.52	4.30	5.69	4.02	12.0	11
12	0.452B	2.42 B	0.350B	4.80B	8.80B	7.26	5.47	2.34	4.04	5.48	3.97	8.58	12
13	0.445B	2.17 B	0.460B	4.20B	11.5 B	7.08	6.94	5.76	3.84	7.28	3.82	6.90	13
14	0.430B	1.95 B	0.450B	3.75B	15.8 B	6.99	6.85	8.65	4.20	14.1	3.35	6.65	14
15	0.420B	1.72 B	0.430B	3.40B	14.2 B	9.10	7.76	7.49	4.18	32.0	3.10	5.63	15
16	0.408B	1.57 B	0.410B	3.15B	10.3 B	10.5	6.87	6.94	3.84	20.7	2.87	6.41	16
17	0.398B	1.42 B	0.400B	3.90B	9.70A	9.78	5.57	5.86	3.42	11.4	2.90	4.80B	17
18	0.390B	1.30 B	0.450B	4.60B	9.42	9.36	4.71	12.6	4.68	7.88	3.23	4.20B	18
19	0.381B	1.19 B	0.590B	5.10B	8.24	16.8	4.27	31.9	5.45	6.09	9.48	10.9	19
20	0.371B	1.09 B	0.810B	4.70B	6.67	22.2	3.65	20.7	5.80	6.22	15.8	14.2	20
21	0.364B	1.01 B	1.20 B	4.15B	5.67	14.3	3.14	11.9	6.16	6.97	18.7	10.1	21
22	0.357B	0.925B	1.60 B	3.60B	4.87	10.1	2.97	8.12	6.81	6.30	12.5	7.97	22
23	0.350B	0.860B	2.25 B	3.18B	4.87	7.94	2.58	6.35	7.73	6.75	9.05	9.47	23
24	0.345B	0.790B	3.15 B	2.70B	5.04	6.37	2.45	4.94	9.08	6.94	11.9	19.1	24
25	0.340B	0.740B	4.70 B	2.38B	5.33	6.65	2.62	4.08	9.10	10.3	12.8	15.3	25
26	0.700B	0.690B	4.40 B	2.18B	5.35	7.24	9.25	3.79	8.00	13.4	12.2	10.6	26
27	1.45 B	0.645B	3.85 B	2.45B	5.03	7.05	13.8	3.37	6.86	11.3	9.76	7.64	27
28	3.00 B	0.600B	3.30 B	2.60B	6.39	6.64	9.68	2.99	5.98	7.35	7.37	6.06	28
29	6.00 B		2.85 B	2.25B	9.46	8.00	6.71	3.41	5.38	5.46	7.74	4.60B	29
30	14.1 B		2.45 B	1.92B	13.9	8.40	5.15	4.76	5.06	4.51	10.4	3.60B	30
31	11.8 B		2.21 B		19.5		4.14	5.19		5.14		2.80B	31
TOTAL	48.301	71.740	41.180	117.69	276.04	352.39	163.78	200.74	148.26	248.83	206.79	250.23	TOTAL
MEAN	1.56	2.56	1.33	3.92	8.90	11.7	5.28	6.48	4.94	8.03	6.89	8.07	MEAN
MAX	14.1	9.60	4.70	8.80	19.5	28.6	13.8	31.9	9.10	32.0	18.7	20.6	MAX
MIN	0.340	0.600	0.350	1.69	2.60	6.37	2.45	2.34	1.89	4.10	2.87	2.50	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.82
MAXIMUM DAILY, 32.0 ON OCT 15
MINIMUM DAILY, 0.340B ON JAN 25
MAXIMUM INSTANTANEOUS, 37.1 AT 10:31 NST ON AUG 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 09 37 N
LONG 057 34 45 W
DRAINAGE AREA, 95.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 170	JUL	14 200
FEB	6 200	AUG	17 300
MAR	3 560	SEP	12 800
APR	10 200	OCT	21 500
MAY	23 800	NOV	17 900
JUN	30 400	DEC	21 600

TOTAL DISCHARGE, 184 000 dam³

NEWFOUNDLAND

GREY RIVER NEAR GREY RIVER - STATION NO. 02ZD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.00B	64.2	5.57B	17.0B	114	39.0	13.2	9.85	4.31	25.3	79.6	40.6	1
2	11.1 B	47.9	5.30B	15.0B	203	29.7	11.7	31.2	3.87	203	48.4	28.0B	2
3	17.0 B	31.7	5.05B	14.0B	391	24.0	10.5	69.7	3.67	134	40.0	20.0B	3
4	15.7 B	23.4	4.85B	13.0B	272	21.6	9.90	87.0	3.51	95.8	36.1	14.0B	4
5	13.7 B	21.0 B	4.67B	40.0B	163	48.6	10.1	53.7	3.10	67.0	34.0	16.0B	5
6	12.1 B	18.0 B	4.50B	150 B	114	43.7	9.89	38.3	2.72	63.6	30.2	23.9	6
7	10.9 B	15.9 B	4.35B	372	83.1	29.4	8.81	29.1	2.65	52.2	23.5	21.4	7
8	9.90B	13.9 B	4.20B	481	75.0	21.8	8.07	22.8	3.80	43.0	26.0	23.2	8
9	9.00B	12.1 B	4.02B	379	101	17.3	7.74	18.7	4.81	37.4	26.1	459	9
10	8.60B	11.0 B	3.90B	218	119	14.5	7.37	15.9	4.05	45.9	23.1	585	10
11	10.3 B	46.0 B	3.80B	139	121	12.4	7.80	14.2	4.26	63.2	28.9	221	11
12	11.4 B	62.0	3.69B	455	145	10.8	7.35	12.6	4.38	51.9	68.1	97.1	12
13	10.0 B	48.1	3.55B	428	149	9.62	6.58	12.4	3.88	42.7	51.1	48.0B	13
14	9.20B	34.1	3.45B	248	141	8.44	5.59	11.0	3.57	36.6	42.5	28.0B	14
15	8.00B	23.1	3.35B	154	96.4	7.81	4.99	21.8	3.18	68.5	35.4	26.0B	15
16	7.35B	17.7	3.25B	134	87.6	7.13	4.46	23.6	3.13	60.9	31.5	23.5B	16
17	6.60B	17.0	3.15B	285	69.5	6.79	6.32	17.5	3.31	44.2	29.5	154	17
18	7.70B	15.0 B	7.50B	320	58.8	6.70	11.1	14.5	3.85	34.5	49.4	170	18
19	11.3 B	13.0 B	20.0 B	267	50.4	6.54	29.0	12.3	4.17	41.9	156	511	19
20	10.3 B	11.0 B	44.0 B	157	79.4	22.3	23.2	11.0	4.06	166	233	287	20
21	9.10B	9.70B	33.0 B	127	98.7	64.3	20.0	9.61	29.1	109	152	111	21
22	8.30B	8.70B	50.0 B	113	76.7	84.7	16.3	8.51	30.6	73.6	97.9	76.8	22
23	7.50B	8.00B	36.0 B	144	58.7	58.5	12.7	7.54	24.5	54.4	69.9	50.4	23
24	6.95B	7.40B	47.0 B	281	46.1	41.8	26.3	6.76	214	41.5	151	100	24
25	6.60B	6.95B	54.0 B	154	36.3	33.8	45.4	6.04	135	74.0	143	381	25
26	7.80B	6.55B	43.0 B	120	29.7	31.0	34.6	5.51	72.3	68.8	172	145	26
27	131 B	6.10B	36.5 B	171	25.2	27.3	25.9	4.89	47.3	59.5	136	78.9	27
28	139 B	5.85B	32.0 B	184	22.6	22.6	20.2	4.71	35.1	56.3	74.9	26.0B	28
29	149 B		26.5 B	129	20.0	19.0	16.5	4.72	27.4	45.4	73.1	20.0B	29
30	125 B		22.5 B	114	20.9	15.8	13.4	4.72	23.0	56.9	54.8	17.0B	30
31	88.9 B		19.5 B		40.2		11.5	4.70		108		15.5B	31
TOTAL	887.30	605.35	542.15	5 817.0	3 078.6	786.93	446.47	594.56	712.58	2 125.0	2 217.0	3 820.3	TOTAL
MEAN	28.6	21.6	17.5	194	99.3	26.2	14.4	19.2	23.8	68.5	73.9	123	MEAN
MAX	149	64.2	54.0	481	391	84.7	45.4	87.0	214	203	233	585	MAX
MIN	6.60	5.85	3.15	13.0	20.0	6.54	4.46	4.70	2.65	25.3	23.1	14.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 59.3
MAXIMUM DAILY, 585 ON DEC 10
MINIMUM DAILY, 2.65 ON SEP 07
MAXIMUM INSTANTANEOUS,
1 070E AT 22:01 NST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 44 35 N
LONG 056 56 05 W
DRAINAGE AREA, 1 340 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	76 700	JUL	38 600
FEB	52 300	AUG	51 400
MAR	46 800	SEP	61 600
APR	503 000	OCT	184 000
MAY	266 000	NOV	192 000
JUN	68 000	DEC	330 000

REMARKS - THE E FOR DISCHARGE ABOVE 784 IS DUE TO CURVE EXTENSION

TOTAL DISCHARGE, 1 870 000 dam³

HARRYS RIVER BELOW HIGHWAY BRIDGE - STATION NO. 02YJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.17B	40.7 B	7.84B	7.50B	48.5	65.3	10.5	22.7	11.8	40.4	28.7	42.8	1
2	9.00B	36.2 B	7.50B	7.05B	97.4	61.5	10.0	21.0	10.9	68.5	24.6	37.0	2
3	9.80B	32.7 B	7.20B	6.70B	154	66.7	9.57	19.1	10.2	32.7	22.6	32.4	3
4	10.6 B	29.0 B	6.82B	12.5 B	112	73.6	9.02	55.5	9.76	25.2	21.6	28.9	4
5	10.1 B	26.2 B	6.55B	35.0 B	93.8	82.0	8.89	31.9	9.31	23.5	72.1	26.5	5
6	9.75B	23.2 B	6.30B	110 B	84.5	55.8	8.51	24.0	8.75	26.5	40.4	31.5	6
7	9.40B	21.5 B	6.00B	90.0 B	72.7	43.3	7.86	20.2	8.49	28.8	32.3	29.2	7
8	9.10B	19.0 B	5.79B	73.0 B	63.8	37.4	7.65	18.0	14.2	34.2	28.4	27.3	8
9	8.70B	17.0 B	5.57B	60.0 B	60.4	34.5	7.41	16.4	11.7	27.8	26.2	304	9
10	8.45B	18.5 B	5.33B	49.0 B	68.5	30.1	7.42	15.3	10.0	68.4	24.5	176	10
11	8.10B	20.7 B	5.10B	41.5 B	74.9	26.9	10.5	14.2	14.3	40.1	23.1	113	11
12	7.90B	19.9 B	4.92B	37.0 B	112	23.8	9.25	13.6	12.0	33.5	27.4	89.9	12
13	7.60B	18.5 B	4.75B	43.0 B	94.5	21.7	8.49	28.9	11.6	44.9	25.6	76.2	13
14	7.40B	17.2 B	4.58B	38.5 B	99.4	20.1	7.81	19.0	12.7	74.8	23.3	69.4	14
15	7.05B	16.2 B	4.40B	35.0 B	110	19.5	7.23	19.6	10.5	70.7	21.7	59.7	15
16	6.85B	15.2 B	4.22B	32.4	104	18.0	6.85	17.6	9.50	45.5	20.7	52.4	16
17	6.60B	14.3 B	4.02B	49.9	100	17.0	7.31	15.2	9.94	35.6	20.3	58.2	17
18	7.20B	13.5 B	6.00B	55.7	98.2	15.8	7.21	13.9	35.7	30.9	25.6	56.7	18
19	7.90B	12.9 B	9.70B	53.4	86.7	16.9	7.03	30.7	19.1	34.0	81.2	152	19
20	7.60B	12.0 B	11.7 B	44.8	73.3	25.0	6.82	21.5	17.8	48.8	82.4	94.6	20
21	7.40B	11.5 B	10.9 B	46.2	64.3	23.5	6.79	16.7	28.9	37.6	64.9	68.6	21
22	7.15B	10.8 B	9.50B	44.5	63.1	18.4	6.63	14.7	30.9	30.6	52.1	58.5	22
23	6.95B	10.2 B	8.90B	51.0	68.1	15.6	6.31	13.4	21.3	41.0	45.1	63.8	23
24	6.75B	9.80B	10.7 B	56.1	67.5	14.2	38.3	12.4	110	30.6	67.5	122	24
25	6.50B	9.40B	11.1 B	45.2	63.6	13.5	105	11.7	42.4	60.3	65.8	123	25
26	6.20B	9.00B	10.8 B	43.6	61.2	13.2	75.4	11.2	29.2	41.2	62.9	83.0	26
27	15.0 B	8.60B	9.90B	49.4	65.2	12.4	58.3	10.7	24.1	32.4	57.6	69.2A	27
28	64.0 B	8.37B	9.40B	54.5	64.1	11.9	40.7	10.4	21.2	27.2	48.0	60.0B	28
29	60.0 B		8.80B	47.1	62.5	12.1	33.0	9.73	19.3	24.5	48.4	53.0B	29
30	52.0 B		8.35B	44.4	88.8	11.3	29.1	17.9	17.8	24.0	56.8	47.0B	30
31	46.0 B		7.91B		111		25.1	14.0		30.9		43.0B	31
TOTAL	446.22	502.07	231.55	1 363.95	2 588.0	901.0	589.96	610.53	603.35	1 215.1	1 241.8	2 348.8	TOTAL
MEAN	14.4	17.9	7.47	45.5	83.5	30.0	19.0	19.7	20.1	39.2	41.4	75.8	MEAN
MAX	64.0	40.7	11.7	110	154	82.0	105	55.5	110	74.8	82.4	304	MAX
MIN	6.20	8.37	4.02	6.70	48.5	11.3	6.31	9.73	8.49	23.5	20.3	26.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 34.6
MAXIMUM DAILY, 304 ON DEC 09
MINIMUM DAILY, 4.02B ON MAR 17
MAXIMUM INSTANTANEOUS,
565E AT 16:25 NST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 34 31 N
LONG 058 21 48 W
DRAINAGE AREA, 640 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	38 600	JUL	51 000
FEB	43 400	AUG	52 700
MAR	20 000	SEP	52 100
APR	118 000	OCT	105 000
MAY	224 000	NOV	107 000
JUN	77 800	DEC	203 000

REMARKS - THE E FOR DISCHARGE ABOVE 396 IS DUE TO CURVE EXTENSION

TOTAL DISCHARGE, 1 090 000 dam³

NEWFOUNDLAND

HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY - STATION NO. 02ZA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.740B	1.82 B	0.580B	0.650B	8.48	3.61	0.786	0.569	0.413	1.72	5.03	2.91	1
2	0.960B	1.62 B	0.560B	0.620B	22.5	3.09	0.672	16.0	0.390	4.69	3.17	2.24	2
3	1.27 B	1.45 B	0.550B	1.27	18.1	3.75	0.604	7.43	0.365	2.53	2.38	1.85	3
4	1.18 B	1.31 B	0.542B	4.13	7.42	4.34	0.558	4.36	0.355	1.86	2.01	1.43	4
5	1.08 B	1.21 B	0.535B	26.9	4.83	4.43	0.534	2.57	0.348	1.72	6.22	1.69	5
6	0.990B	1.12 B	0.530B	20.7	4.20	2.93	0.485	1.75	0.327	2.06	3.78	10.3	6
7	0.920B	1.05 B	0.522B	10.1	3.46	2.19	0.434	1.24	0.311	1.64	2.71	4.37	7
8	0.860B	0.990B	0.515B	4.90	3.31	1.92	0.410	0.994	0.681	2.17	2.26	3.34	8
9	0.790B	0.930B	0.510B	3.03	4.00	1.69	0.398	0.845	0.625	1.97	2.04	40.9	9
10	0.850B	0.880B	0.505B	2.24	5.63	1.54	0.422	0.760	0.506	3.99	2.03	13.6	10
11	0.950B	1.22 B	0.500B	1.98	7.40	1.40	0.426	0.674	0.476	3.15	6.21	4.85	11
12	0.890B	1.12 B	0.496B	7.39	13.4	1.27	0.374	0.654	0.427	2.01	8.87	2.87	12
13	0.850B	1.07 B	0.482B	5.65	7.72	1.12	0.335	4.06	0.398	1.79	4.10	2.38	13
14	0.815B	1.00 B	0.478B	3.41	7.56	1.04	0.314	2.36	0.396	1.75	2.81	2.65	14
15	0.780B	0.940B	0.472B	2.79	8.40	1.04	0.306	1.94	0.376	2.26	2.12	2.44	15
16	0.750B	0.890B	0.465B	5.76	7.59	1.02	0.305	1.43	0.349	1.81	1.88	2.41	16
17	0.738B	0.850B	0.460B	8.26	7.62	1.18	1.07	1.07	0.735	1.47	2.13	17.5	17
18	1.20 B	0.820B	0.900B	7.75	6.51	1.05	0.950	0.854	1.40	1.27	6.38	7.35	18
19	1.00 B	0.785B	2.47 B	4.61	4.59	0.947	0.954	1.48	1.79	3.47	16.6	23.8	19
20	1.35 B	0.750B	1.90 B	3.17	5.62	1.92	1.32	1.40	1.36	6.73	11.5	9.17	20
21	1.19 B	0.725B	1.55 B	3.36	6.87	2.85	0.902	1.01	1.92	3.62	5.04	4.00	21
22	1.04 B	0.695B	1.29 B	3.61	7.45	1.70	0.720	0.813	2.87	2.29	3.20	2.86	22
23	0.930B	0.675B	1.09 B	5.76	5.96	1.25	0.606	0.676	1.88	2.10	2.52	5.16	23
24	0.850B	0.655B	1.00 B	6.12	4.79	1.01	4.88	0.608	3.92	1.77	4.81	14.7	24
25	0.760B	0.638B	1.19 B	3.57	4.00	0.997	4.09	0.535	2.59	3.11	3.71	13.2	25
26	0.790B	0.622B	1.00 B	3.44	3.75	1.18	2.67	0.486	1.68	2.81	7.23	4.59	26
27	2.00 B	0.610B	0.890B	4.47	3.99	1.04	1.88	0.451	1.23	2.38	4.43	2.60B	27
28	4.15 B	0.595B	0.820B	5.47	4.30	0.926	1.31	0.427	1.03	1.97	3.25	1.82B	28
29	2.89 B		0.765B	3.95	4.45	1.18	0.992	0.459	0.861	1.70	4.18	1.47B	29
30	2.40 B		0.725B	3.66	5.71	0.954	0.776	0.494	0.767	4.75	4.50	1.20B	30
31	2.10 B		0.690B		6.94		0.641	0.449		10.6		1.49B	31
TOTAL	38.863	27.040	24.982	168.720	216.55	54.564	31.124	58.648	32.776	87.56	137.10	211.14	TOT
MEAN	1.25	0.966	0.806	5.62	6.99	1.82	1.00	1.89	1.09	2.82	4.57	6.81	MEA
MAX	4.15	1.82	2.47	26.9	22.5	4.43	4.88	16.0	3.92	10.6	16.6	40.9	MAX
MIN	0.738	0.595	0.460	0.620	3.31	0.926	0.305	0.427	0.311	1.27	1.88	1.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.98
MAXIMUM DAILY, 40.9 ON DEC 09
MINIMUM DAILY, 0.305 ON JUL 16
MAXIMUM INSTANTANEOUS,
77.7 AT 15:30 NST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 06 33 N
LONG 058 47 04 W
DRAINAGE AREA, 72 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 360	JUL	2 690
FEB	2 340	AUG	5 070
MAR	2 160	SEP	2 830
APR	14 600	OCT	7 570
MAY	18 700	NOV	11 800
JUN	4 710	DEC	18 200

TOTAL DISCHARGE, 94 000 dam³

HINDS BROOK AT HINDS BROOK POWER HOUSE - STATION NO. 02YK006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	34.5	22.0	24.4	0.694	26.1	36.3	17.6	0.694	0.694	0.694	0.694	35.6	
2	25.0	21.8	10.2	10.5	23.4	36.3	8.45	23.1	0.694	8.10	0.694	36.1	
3	37.3	26.7	6.36	23.7	18.4	35.5	0	23.1	0.694	8.10	0.694	36.2	
4	37.1	19.1	6.25	27.4	26.4	36.2	22.0	24.5	1.27	7.41	0.694	32.0	
5	37.7	22.3	12.3	24.0	37.7	19.7	0.694	23.3	0.694	7.75	0.694	35.6	
6	38.1	25.6	14.9	13.0	37.8	28.6	3.01	25.3	0.694	7.98	0.694	35.8	
7	38.1	20.4	16.5	9.03	37.5	20.1	0.694	24.9	0.694	0.694	0.463	35.9	
8	35.2	25.1	15.9	13.8	37.5	1.85	0.694	24.1	0.694	8.33	0	35.8	
9	42.1	25.5	9.37	14.5	37.4	0	0.694	24.9	1.74	0.694	0	35.8	
10	37.6	19.9	0.694	12.0	36.4	0	0.694	25.1	0.694	10.3	0	35.9	1
11	38.0	23.8	4.63	12.8	35.5	0	15.6	22.7	0.694	35.6	0	35.6	1
12	35.9	23.7	0.694	11.7	35.4	9.03	23.7	23.5	7.29	35.9	0	34.6	1
13	38.2	24.5	0.694	12.7	36.7	1.85	10.6	23.6	0.694	24.9	0	37.4	1
14	38.2	22.3	0.694	10.5	36.6	0	7.98	17.6	0.694	36.7	0	37.3	1
15	37.6	26.5	9.26	11.2	36.4	0	7.87	22.6	0.694	7.87	0	35.6	1
16	38.3	23.8	8.33	22.1	35.5	0	22.1	19.9	0.694	3.47	0	35.6	1
17	29.2	24.5	9.95	24.8	35.4	0	24.6	24.9	0.694	0.694	12.3	35.6	1
18	37.3	25.2	0.694	19.4	35.5	10.4	12.8	21.3	0.694	0.694	36.0	35.9	1
19	16.2	27.4	12.0	27.4	35.2	35.9	20.5	22.4	6.13	0.694	15.4	36.0	1
20	35.3	23.7	0.694	27.3	19.8	35.2	27.3	4.28	0.694	5.694	25.2	36.1	2
21	37.0	27.2	0.694	23.6	35.1	35.2	21.4	21.2	1.74	0.694	28.5	35.5	2
22	36.9	28.9	9.49	27.8	32.2	35.6	23.5	24.1	0.694	0.694	36.0	35.9	2
23	36.9	34.9	9.60	25.1	28.7	36.0	10.6	25.5	0.694	0.694	28.5	36.2	2
24	36.9	17.7	13.5	35.4	33.8	35.3	0.993	3.59	0.694	0.694	24.2	35.6	2
25	36.7	18.4	8.91	36.2	29.9	34.9	1.97	0.694	0.694	0.694	34.2	35.1	2
26	36.8	18.0	6.83	36.2	29.4	35.4	0.694	0.694	3.59	0.694	35.1	35.1	
27	13.1	23.8	10.6	36.3	30.8	36.1	0.694	0.694	0.694	0.694	34.8	35.8	
28	18.7	23.5	9.60	33.8	35.6	35.1	0.694	0.694	0.694	0.694	35.4	36.7	
29	27.4		8.91	37.5	35.9	22.2	0.694	0.694	0.694	0.694	34.9	37.6	
30	36.9		13.0	36.0	35.6	19.6	0.694	0.694	0.694	0.694	34.9	37.8	
31	35.5		7.64		15.7		5.67	0.694		0.694		37.7	
TOTAL	1 054.7	676.5	263.288	656.024	1 003.3	632.33	294.884	503.022	38.416	214.902	420.027	1 113.5	T
MEAN	34.0	24.2	8.49	21.9	32.4	21.1	9.51	16.2	1.28	6.93	14.0	35.9	M
MAX	42.1	34.9	24.4	36.3	37.8	36.3	27.3	25.5	7.29	36.7	36.0	37.8	M
MIN	13.1	17.7	0.694	0.694	15.7	0	0	0.694	0.694	0.694	0	32.0	M

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 42.1 ON JAN 09
MINIMUM DAILY, 0 ON JUN 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 05 00 N
LONG 057 12 13 W
DRAINAGE AREA, 651 km²

REGULATED SINCE 1981

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	91 100	JUL	25 500
FEB	59 400	AUG	43 500
MAR	42 700	SEP	3 320
APR	56 700	OCT	18 600
MAY	86 700	NOV	36 300
JUN	54 600	DEC	96 200

TOTAL DISCHARGE, 594 000 dam³

NEWFOUNDLAND

HUMBER RIVER AT GRAND LAKE OUTLET - STATION NO. 02YK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.1	164	125	152	134	151	128	145	150	136	127	152	1
2	71.0	154	148	140	135	136	16.7	144	146	128	159	151	2
3	111	137	148	140	113	133	85.9	142	20.4	114	161	128	3
4	116	126	151	120	144	143	114	163	81.4	140	161	121	4
5	127	133	132	120	144	137	138	152	160	144	154	117	5
6	163	143	161	119	129	118	134	144	169	146	165	159	6
7	182	145	150	159	148	145	151	145	159	130	162	149	7
8	162	127	146	167	137	147	147	142	147	142	146	148	8
9	153	138	131	154	137	146	140	142	157	158	171	166	9
10	135	150	155	150	140	155	130	128	160	132	170	144	10
11	142	146	157	156	136	142	148	120	163	137	176	148	11
12	148	142	160	147	147	158	140	161	170	146	153	144	12
13	142	130	163	144	152	145	155	144	155	129	153	145	13
14	155	139	161	151	140	147	160	154	167	152	174	137	14
15	154	133	158	153	145	143	158	141	172	134	161	150	15
16	141	145	159	151	124	167	141	161	172	153	144	159	16
17	149	133	164	137	124	148	127	144	171	151	155	158	17
18	150	144	154	150	125	137	151	146	164	119	163	152	18
19	151	143	163	152	149	149	141	151	171	155	155	142	19
20	160	138	144	135	158	142	133	135	149	150	170	145	20
21	162	154	139	143	146	143	138	141	160	155	147	144	21
22	148	149	127	156	142	139	149	132	160	146	131	162	22
23	133	154	167	159	135	148	132	152	152	155	121	142	23
24	135	155	165	139	135	151	142	148	154	134	138	39.4	24
25	159	152	163	139	158	141	120	150	154	134	142	24.4	25
26	152	146	146	124	142	137	146	151	141	159	154	79.2	26
27	134	143	156	99.2	147	154	156	144	142	176	113	134	27
28	129	130	166	147	148	132	163	141	153	153	140	141	28
29	90.7		133	128	155	158	151	158	156	150	95.1	159	29
30	126		148	119	159	131	142	158	157	151	148	157	30
31	139		145		157		149	165		156		144	31
TOTAL	4 261.8	3 993	4 705	4 250.2	4 385	4 323	4 226.6	4 540	4 532.8	4 523	4 512.1	4 271.0	TOTAL
MEAN	137	143	152	142	141	144	136	146	151	146	150	138	MEAN
MAX	182	164	167	167	159	167	163	165	172	176	176	166	MAX
MIN	42.1	126	125	99.2	113	118	16.7	120	20.4	119	95.1	24.4	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 144
MAXIMUM DAILY, 182 ON JAN 07
MINIMUM DAILY, 16.7 ON JUL 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 09 43 N
LONG 057 25 28 W
DRAINAGE AREA, 5 020 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	368 000	JUL	365 000
FEB	345 000	AUG	392 000
MAR	407 000	SEP	392 000
APR	367 000	OCT	391 000
MAY	379 000	NOV	390 000
JUN	374 000	DEC	369 000

TOTAL DISCHARGE, 4 540 000 dam³

HUMBER RIVER AT HUMBER VILLAGE BRIDGE - STATION NO. 02YL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	166	254	218	202	288	459	244	209	204	255	321	342	1
2	151	278	218	198	331	506	227	207	204	243	312	326	2
3	142	337	201	194	391	515	195	201	195	233	305	313	3
4	138	356	196	192	421	511	182	199	166	228	297	293	4
5	142	322	189	215	471	511	180	198	156	225	306	278	5
6	144	290	192	231	509	513	180	199	161	222	300	262	6
7	150	273	188	233	511	515	179	202	168	220	294	256	7
8	163	252	192	261	486	503	181	203	172	215	287	247	8
9	170	239	193	284	456	475	180	202	174	210	276	289	9
10	172	228	190	302	431	444	179	201	174	228	270	331	10
11	178	229	191	307	414	415	180	193	177	235	264	372	11
12	177	221	188	314	421	387	178	189	178	242	264	407	12
13	179	210	188	307	421	367	180	191	182	249	255	399	13
14	177	206	192	297	435	346	181	195	180	260	246	380	14
15	179	219	188	289	452	328	185	195	183	288	243	355	15
16	178	259	181	288	458	313	184	193	188	322	236	328	16
17	177	237	179	293	452	309	181	193	189	365	229	315	17
18	178	268	183	308	446	304	178	194	206	382	225	307	18
19	186	277	191	317	436	299	178	202	206	375	234	315	19
20	262	245	192	322	426	312	180	212	211	377	255	316	20
21	334	240	182	326	407	334	177	224	224	376	277	305	21
22	314	248	184	334	383	355	179	237	238	379	299	296	22
23	258	217	189	336	358	356	177	239	246	373	318	296	23
24	202	210	197	331	337	345	181	236	260	357	348	334	24
25	181	220	208	320	317	328	240	231	270	345	368	304	25
26	179	220	206	307	304	309	232	225	281	336	394	271	26
27	211	227	211	296	297	293	235	218	281	345	401	275	27
28	220	215	213	293	298	279	228	212	277	347	388	278	28
29	223		210	295	312	265	224	206	270	338	379	271	29
30	228		208	291	338	256	218	208	262	327	359	266	30
31	241		206		399		213	206		325		265	31
TOTAL	6 001	7 001	6 064	8 483	12 406	11 452	6 034	6 422	6 283	9 222	8 950	9 592	TOTAL
MEAN	194	250	196	283	400	382	195	207	209	297	298	309	MEAN
MAX	334	356	218	336	511	515	244	239	281	382	401	407	MAX
MIN	138	206	179	192	288	256	177	189	156	210	225	247	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 268
MAXIMUM DAILY, 515 ON JUN 03
MINIMUM DAILY, 138 ON JAN 04
MAXIMUM INSTANTANEOUS, 520 AT 00:51 NST ON MAY 07

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 02 N
LONG 057 45 41 W
DRAINAGE AREA, 7 860 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	518 000	JUL	521 000
FEB	605 000	AUG	555 000
MAR	524 000	SEP	543 000
APR	733 000	OCT	797 000
MAY	1 070 000	NOV	773 000
JUN	989 000	DEC	829 000

TOTAL DISCHARGE, 8 460 000 dam³

NEWFOUNDLAND

INDIAN BAY BROOK NEAR NORTHWEST ARM - STATION NO. 02YR003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.50B	8.35B	4.25B	11.1	40.2	28.9	10.6	4.58	1.82	1.26	8.21	15.6	1
2	9.50B	7.90B	4.12B	10.9	41.1	26.4	10.1	4.27	1.68	2.21	7.45	15.0	2
3	10.8 B	7.50B	3.87B	10.9	41.5	24.1	9.74	4.25	1.59	2.37	7.26	14.8B	3
4	10.0 B	7.05B	4.40B	11.8	40.8	22.9	9.64	4.23	1.50	1.99	7.30	14.3B	4
5	9.50B	6.70B	5.15B	15.0	39.8	21.2	9.33	4.27	1.48	1.70	9.15	13.8B	5
6	9.10B	6.35B	5.97B	21.4	38.3	20.0	8.87	4.15	1.38	2.30	9.44	13.4B	6
7	8.70B	6.02B	5.80B	26.6	40.0	18.3	7.72	4.06	1.30	2.16	9.33	13.1B	7
8	8.35B	5.72B	5.55B	40.4	38.1	17.5	7.82	3.96	1.43	2.11	10.1	12.6B	8
9	7.95B	5.48B	5.32B	46.9	36.6	17.9	7.63	3.89	1.32	1.99	10.2	12.2B	9
10	7.73B	5.20B	5.10B	52.7	36.1	16.5	7.33	3.79	1.20	3.77	11.1	17.4	10
11	7.25B	6.70B	4.85B	57.1	33.4	15.1	7.42	3.67	1.56	3.55	10.8	16.8	11
12	6.95B	9.15B	4.65B	63.8	32.2	14.0	7.17	3.53	1.54	3.21	12.1	13.9	12
13	6.65B	8.65B	4.45B	65.6	30.5	13.3	6.94	3.37	1.35	3.14	11.7	18.3B	13
14	6.35B	8.20B	4.25B	63.6	28.3	12.6	6.66	3.05	1.26	3.22	11.7	16.9B	14
15	6.10B	7.80B	4.07B	60.4	27.6	12.0	6.42	3.70	1.19	3.49	11.3	15.9B	15
16	5.90B	7.50B	3.85B	57.7	26.2	11.3	6.01	3.55	1.16	3.57	11.3	14.9B	16
17	5.60B	7.10B	4.22B	56.1	24.1	11.0	5.82	3.27	1.18	3.67	10.9	14.2B	17
18	5.38B	6.80B	4.65B	53.9	22.4	10.8	5.69	3.06	1.17	3.57	10.9	14.8B	18
19	5.19B	6.50B	5.20B	51.0	20.6	9.81	5.47	3.07	1.20	3.50	12.2	15.4B	19
20	4.97B	6.25B	5.70B	47.5	23.0	10.2	5.85	2.97	1.19	4.09	15.0	16.1B	20
21	4.78B	5.95B	6.30B	44.4	35.3	12.0	5.61	2.68	1.24	4.32	14.4	15.0B	21
22	4.60B	5.70B	6.85B	43.5	39.5	11.3	5.55	2.57	1.34	4.09	14.0	13.9B	22
23	4.43B	5.50B	7.50B	42.6	39.0	10.7	5.52	2.46	1.21	4.35	14.0	12.9B	23
24	4.28B	5.27B	8.20B	48.0	40.8	10.1	5.42	2.29	1.26	4.38	14.7	14.0B	24
25	4.16B	5.03B	8.80B	46.6	42.6	11.5	5.62	2.14	1.39	4.60	14.9	15.5B	25
26	3.97B	4.80B	9.55	45.2	42.8	12.1	5.68	2.07	1.96	4.84	14.6	19.8B	26
27	5.40B	4.61B	10.2	44.0	40.8	11.5	5.42	1.97	1.64	5.34	16.3	16.8B	27
28	7.50B	4.42B	10.7	45.0	39.0	11.3	5.05	1.84	1.52	5.79	14.4	15.1B	28
29	10.2 B		11.0	43.2	37.2	11.2	4.90	2.22	1.41	5.56	14.5	14.1B	29
30	9.50B		11.3	41.7	34.5	11.0	4.83	2.10	1.31	5.71	15.5	12.5B	30
31	8.90B		11.3		33.7		4.69	2.02		7.39			31
TOTAL	218.19	182.20	197.12	1 268.2	1 086.0	446.71	210.52	99.05	41.78	113.24	354.74	462.1	TOTAL
MEAN	7.04	6.51	6.36	42.3	35.0	14.9	6.79	3.20	1.39	3.65	11.8	14.9	MEAN
MAX	10.8	9.15	11.3	65.6	42.8	28.9	10.6	4.58	1.96	7.39	16.3	19.8	MAX
MIN	3.97	4.42	3.85	10.9	20.6	9.81	4.69	1.84	1.16	1.26	7.26	12.2	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 65.6 ON APR 13
MINIMUM DAILY, 1.16 ON SEP 16
MAXIMUM INSTANTANEOUS, 69.2 AT 19:42 NST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 02 24 N
LONG 053 53 00 W
DRAINAGE AREA, 554 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 900	JUL	18 200
FEB	15 700	AUG	8 560
MAR	17 000	SEP	3 610
APR	110 000	OCT	9 780
MAY	93 800	NOV	30 600
JUN	38 600	DEC	39 900

TOTAL DISCHARGE, 405 000 dam³

INDIAN BROOK AT INDIAN FALLS - STATION NO. 02YM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.05B	10.0 B	5.40B	5.00B	35.0	37.6	8.55	3.85	3.13	6.44	35.0	26.5	1
2	5.95B	15.9 B	5.25B	4.90B	78.8	34.4	8.57	3.64	3.00	6.53	31.5	24.1	2
3	5.80B	14.4 B	5.10B	7.00B	142	29.9	8.09	3.59	2.85	7.15	26.4	21.3	3
4	6.00B	13.5 B	5.00B	13.0 B	137	26.9	7.93	3.56	2.71	7.42	22.8	20.2	4
5	6.20B	12.5 B	4.92B	21.4	100	24.8	7.49	3.44	2.66	6.76	22.4	19.5	5
6	6.00B	11.8 B	4.85B	38.7	80.9	22.9	7.05	3.25	2.62	6.46	23.2	16.4	6
7	5.85B	11.3 B	4.70B	59.7	71.8	20.6	6.46	3.05	2.65E	6.31	21.3	15.6	7
8	5.75B	10.8 B	4.60B	67.1	64.1	18.6	6.04	2.97	2.60E	6.07	19.3	14.6	8
9	5.62B	10.2 B	4.53B	57.4	58.3	17.2	5.82	2.80	2.51E	5.87	17.3	15.1	9
10	5.53B	9.80B	4.45B	45.2	56.7	15.8	5.72	2.77	2.45E	6.16	16.1	26.1	10
11	5.40B	9.40B	4.38B	36.3	60.2	14.6	6.10	2.57	2.38E	13.3	15.3	32.4	11
12	5.30B	9.10B	4.30B	33.0	60.8	13.5	5.75	2.63	2.30E	13.9	15.1	29.8	12
13	5.15B	8.70B	4.20B	35.1	67.6	12.3	5.99	3.15	2.20E	12.6	15.0	19.8B	13
14	5.05B	8.40B	4.13B	36.4	64.9	11.4	5.61	3.05	2.15E	11.6	14.5	18.0B	14
15	5.00B	8.25B	4.06B	35.8	60.4	10.7	5.25	3.04	2.06E	12.2	13.1	16.5B	15
16	4.95B	7.95B	4.00B	34.2	54.8	10.0	5.00	2.91	2.00E	14.4	12.1	15.2B	16
17	4.85B	7.70B	4.35B	47.1	50.1	10.2	4.82	2.70	1.85E	14.6	11.6	14.5B	17
18	4.75B	7.45B	4.85B	65.2	44.5	9.84	4.71	3.03	1.95E	13.6	11.1	13.8B	18
19	4.67B	7.25B	5.40B	67.8	39.8	9.58	4.53	4.58	2.05E	12.5	11.7	20.0B	19
20	4.60B	7.00B	6.00B	56.5	37.0	10.8	4.48	6.19	2.39A	13.5	17.5	24.5B	20
21	4.53B	6.80B	7.00B	54.8	49.2	13.9	4.34	6.52	3.93	14.7	23.7	30.5B	21
22	4.45B	6.60B	6.80B	57.1	53.1	14.7	4.23	5.96	4.70	14.3	26.0	24.0B	22
23	4.40B	6.45B	6.60B	51.3	47.6	13.5	4.04	5.07	5.10	13.5	25.2	22.0B	23
24	4.35B	6.25B	6.40B	44.7	40.4	12.1	4.34	4.49	5.74	12.6	38.5	19.2B	24
25	4.29B	6.10B	6.20B	39.0	35.8	11.3	4.87	4.12	9.80	13.4	45.8	21.0B	25
26	4.20B	5.90B	6.00B	35.4	32.1	11.1	5.24	3.87	10.1	16.4	39.4	19.7B	26
27	9.00B	5.75B	5.80B	38.7	29.2	10.1	5.32	3.59	9.09	17.5	36.4	18.7B	27
28	16.0 B	5.60B	5.60B	38.5	27.0	9.22	5.46	3.46	8.22	16.9	30.8	19.0B	28
29	27.0 B		5.45B	34.1	25.9	8.94	4.79	3.39	7.37	15.5	28.9	17.0B	29
30	23.6 B		5.30B	32.0	25.7	8.51	4.37	3.29	6.77	14.9	28.9	15.7B	30
31	20.5 B		5.20B		31.8		4.09	3.25		21.6		14.8B	31
TOTAL	230.79	258.45	160.82	1 192.40	1 762.5	474.89	174.71	113.78	120.33	370.06	695.9	624.5	TOTAL
MEAN	7.44	9.23	5.19	39.7	56.9	15.8	5.64	3.67	4.01	11.9	23.2	20.1	MEAN
MAX	27.0	18.0	7.00	67.8	142	37.6	8.57	6.52	10.1	21.6	45.8	32.4	MAX
MIN	4.20	5.60	4.00	4.90	25.7	8.51	4.04	2.57	1.85	5.87	11.1	13.8	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.9
MAXIMUM DAILY, 142 ON MAY 03
MINIMUM DAILY, 1.85E ON SEP 17
MAXIMUM INSTANTANEOUS, 155 AT 20:12 NST ON MAY 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 43 N
LONG 056 06 45 W
DRAINAGE AREA, 974 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 900	JUL	15 100
FEB	22 300	AUG	9 830
MAR	13 900	SEP	10 400
APR	103 000	OCT	32 000
MAY	152 000	NOV	60 100
JUN	41 000	DEC	54 000

TOTAL DISCHARGE, 534 000 dam³

REMARKS - FLOW FROM 238 KM2 DIVERTED INTO BIRCHY LAKE IN 1963. A CONDUIT PERMITS FLOW TO BYPASS AS A DFO REQUIREMENT

INDIAN BROOK DIVERSION ABOVE BIRCHY LAKE - STATION NO. 02YM004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.15B	5.40B	1.55 B	1.23B	16.5	12.1	2.65	1.12	1.01	3.10	11.3	6.88	1
2	3.05B	5.05B	1.49 B	1.21B	28.7	10.5	2.47	0.938	0.904	3.17	9.51	6.00B	2
3	2.90B	4.75B	1.45 B	1.27B	37.2	8.92	2.25	0.844	0.845	3.30	7.95	5.38	3
4	2.75B	4.40B	1.38 B	2.05B	38.2	7.69	2.12	0.857	0.762	3.29	6.82	4.80B	4
5	2.62B	4.10B	1.34 B	3.90B	34.8	6.94	1.99	0.866	0.653	2.99	7.45	4.45B	5
6	2.50B	3.94B	1.30 B	7.00B	28.7	6.33	1.88	0.882	0.580	2.84	7.56	4.37	6
7	2.38B	3.75B	1.25 B	12.5 B	22.3	5.74	1.72	0.777	0.489	2.72	7.02	4.08	7
8	2.26B	3.52B	1.22 B	17.1 B	17.4	5.25	1.61	0.715	0.543	2.51	6.19	3.81	8
9	2.18B	3.40B	1.18 B	15.8 B	15.2	4.85	1.53	0.684	0.530	2.44	5.56	4.52	9
10	2.12B	3.25B	1.14 B	12.0 B	18.6	4.59	1.42	0.636	0.455	5.44	5.08	9.75	10
11	2.01B	3.10B	1.11 B	10.9	18.8	4.23	1.52	0.583	0.424	6.85	4.63	11.3	11
12	1.94B	2.95B	1.08 B	10.5	23.3	3.91	1.49	0.547	0.428	6.55	4.50	8.92	12
13	1.87B	2.82B	1.04 B	8.54	23.3	3.66	1.47	0.506	0.403	5.65	4.29	7.05	13
14	1.84B	2.75B	1.02 B	8.42	19.5	3.33	1.42	0.994	0.378	5.60	4.14	6.16	14
15	1.75B	2.62B	0.990B	7.75	18.0	3.04	1.35	0.853	0.303	8.12	3.83	5.42	15
16	1.71B	2.50B	0.980B	8.58	17.3	2.96	1.25	0.749	0.259E	9.14	3.70	5.16	16
17	1.65B	2.42B	0.950B	11.9	14.9	2.78	1.18	0.677	0.306	7.85	3.44	5.02	17
18	1.62B	2.34B	1.13 B	15.4	12.0	2.57	1.09	0.836	0.629	6.38	3.41	4.95	18
19	1.57B	2.22B	1.35 B	18.5	9.81	2.66	1.01	3.65	0.686	5.58	4.29	7.14	19
20	1.53B	2.17B	1.55 B	19.1	8.78	3.72	1.01	4.10	1.12	6.46	6.55	11.6	20
21	1.50B	2.10B	1.78 B	19.3	8.90	4.48	0.932	3.73	2.76	6.98	8.54	8.50B	21
22	1.48B	2.01B	1.72 B	18.0	8.87	4.45	0.865	3.05	3.56	6.27	8.86	7.00B	22
23	1.43B	1.95B	1.65 B	16.1	8.95	4.27	0.839	2.52	3.55	5.52	8.52	6.30B	23
24	1.42B	1.87B	1.60 B	13.4	8.38	3.89	0.969	2.12	6.76	4.86	14.5	6.70B	24
25	1.37B	1.81B	1.55 B	11.8	8.19	3.72	1.20	1.71	8.94	5.81	15.4	7.20B	25
26	1.36B	1.73B	1.49 B	12.1	7.22	3.51	1.42	1.52	7.43	6.90	13.1	6.20B	26
27	5.40B	1.69B	1.45 B	10.5	6.91	3.18	1.53	1.31	5.94	7.72	10.9	5.50B	27
28	8.30B	1.64B	1.41 B	10.1	6.70	2.89	1.56	1.14	4.81	6.52	9.57	4.90B	28
29	7.10B		1.37 B	11.2	6.53	2.79	1.51	1.03	4.02	5.72	7.77	4.50B	29
30	6.40B		1.32 B	11.4	6.44	2.66	1.34	1.02	3.52	5.70	7.55	4.21B	30
31	5.90B		1.28 B		9.97		1.16	1.04		9.00		4.02B	31
TOTAL	85.06	82.25	41.120	327.25	510.35	141.51	45.735	42.558	62.997	170.38	220.93	191.79	TOTAL
MEAN	2.74	2.94	1.33	10.9	16.5	4.72	1.48	1.37	2.10	5.50	7.36	6.19	MEAN
MAX	8.30	5.40	1.78	19.3	38.2	12.1	2.65	4.10	8.94	9.14	15.4	11.6	MAX
MIN	1.36	1.64	0.950	1.21	6.44	2.57	0.839	0.547	0.259	2.44	3.41	3.81	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.27
MAXIMUM DAILY, 38.2 ON MAY 04
MINIMUM DAILY, 0.259E ON SEP 16
MAXIMUM INSTANTANEOUS,
40.4 AT 03:15 NST ON MAY 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 01 N
LONG 056 36 58 W

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 350	JUL	3 950
FEB	7 110	AUG	3 680
MAR	3 550	SEP	5 440
APR	28 300	OCT	14 700
MAY	44 100	NOV	19 100
JUN	12 200	DEC	16 600

TOTAL DISCHARGE, 166 000 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.300 IS DUE TO CURVE EXTENSION

ISLE AUX MORTS RIVER BELOW HIGHWAY BRIDGE - STATION NO. 02ZB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.62B	8.70B	1.20 B	3.35B	34.3	23.8	3.56	2.18	1.34	58.9	19.9	6.16	1
2	4.25B	7.70B	1.09 B	3.05B	72.3	20.1	2.76	96.0	1.19	66.7	9.50	6.53	2
3	4.50B	6.90B	1.00 B	2.72B	95.5	27.8	2.36	124	1.10	21.5	7.65	4.51	3
4	3.50B	6.10B	0.960B	16.0 B	57.1	27.3	2.09	43.6	1.01	12.6	6.19	4.12	4
5	2.98B	5.55B	0.910B	50.0 B	31.2	28.6	2.04	15.4	0.900	12.0	23.2	57.2	5
6	2.65B	5.00B	0.865B	37.0 B	20.7	18.6	1.69	8.05	0.865	13.3	13.6	91.3	6
7	2.29B	4.60B	0.820B	26.0 B	11.9	14.2	1.36	4.96	0.790	8.57	8.48	22.9	7
8	1.98B	4.20B	0.780B	17.5 B	11.4	13.1	1.17	3.53	3.29	5.81	6.38	41.4	8
9	1.75B	3.90B	0.750B	13.0 B	17.5	12.0	1.14	2.67	2.16	4.55	5.51	434	9
10	1.70B	4.35B	0.720B	9.20B	34.4	10.7	1.94	2.51	1.88	20.0	6.49	69.2	10
11	1.95B	4.90B	0.690B	7.00B	39.8	9.08	1.70	2.14	6.35	11.0	63.2	17.7	11
12	1.72B	5.20B	0.660B	30.0 B	80.7	7.93	1.45	6.25	4.51	10.8	47.4	6.99	12
13	1.55B	4.65B	0.633B	41.8	55.4	6.86	1.26	37.4	3.50	11.7	17.4	5.22	13
14	1.42B	4.15B	0.605B	29.4	47.4	5.96	1.13	16.4	2.93	11.2	14.1	9.45	14
15	1.30B	3.75B	0.585B	20.1	61.4	6.77	1.06	11.7	2.28	14.3	7.69	6.60	15
16	1.18B	3.40B	0.570B	29.7	52.6	6.72	0.938	8.57	6.96	8.97	6.31	9.82	16
17	1.09B	3.10B	0.550B	35.7	56.3	7.78	1.12	5.32	16.6	6.19	7.73	115	17
18	1.44B	2.81B	1.65 B	36.7	36.7	7.11	1.08	3.52	30.5	4.61	18.7	36.5	18
19	3.52B	2.60B	6.00 B	26.4	35.2	6.16	1.02	4.03	11.8	11.9	47.4	174	19
20	3.05B	2.37B	7.90 B	15.9	56.9	12.7	3.50	3.37	7.63	26.1	65.8	47.3	20
21	2.60B	2.18B	10.0 B	14.0	69.6	12.4	2.28	2.53	29.7	15.4	35.3	14.4	21
22	2.19B	2.00B	7.90 B	16.9	62.8	8.25	2.04	2.14	18.7	8.74	15.6	8.28	22
23	1.81B	1.85B	6.90 B	29.1	47.0	5.61	1.70	1.83	29.2	8.40	9.55	9.58	23
24	1.60B	1.70B	5.90 B	37.1	32.1	4.54	25.1	1.58	108	8.33	16.7	48.4	24
25	1.40B	1.60B	5.20 B	17.4	26.3	8.20	18.8	1.35	27.2	82.6	18.3	50.0	25
26	5.00B	1.49B	5.80 B	18.5	28.5	5.85	10.3	1.21	11.2	25.1	33.0	16.6	26
27	20.2 B	1.39B	5.35 B	24.4	31.4	4.80	7.03	1.09	6.51	14.1	14.4	6.36	27
28	17.0 B	1.30B	4.75 B	33.8	28.7	5.36	4.47	1.03	4.50	8.60	7.57	3.85B	28
29	13.8 B		4.20 B	28.4	26.5	7.16	3.34	1.09	3.49	6.05	14.5	3.00B	29
30	11.8 B		3.95 B	21.8	75.6	4.84	2.63	1.74	2.75	13.8	13.5	2.60B	30
31	10.0 B		3.65 B		63.7		2.16	1.57		40.3		3.00B	31
TOTAL	133.64	107.44	92.538	683.92	1 400.9	339.98	114.218	418.46	348.835	575.12	578.05	1 331.97	TOTAL
MEAN	4.31	3.84	2.99	22.8	45.2	11.3	3.68	13.5	11.6	18.6	19.3	43.0	MEAN
MAX	20.2	8.70	10.0	50.0	95.5	28.6	25.1	124	108	82.6	65.8	434	MAX
MIN	1.09	1.30	0.550	2.72	11.4	4.24	0.938	1.03	0.790	4.55	5.51	2.60	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.8
MAXIMUM DAILY, 434 ON DEC 09
MINIMUM DAILY, 0.550B ON MAR 17
MAXIMUM INSTANTANEOUS,
864E AT 12:54 NST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 36 50 N
LONG 059 00 33 W
DRAINAGE AREA, 205 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 500	JUL	9 870
FEB	9 280	AUG	36 200
MAR	8 000	SEP	30 100
APR	59 100	OCT	49 700
MAY	121 000	NOV	49 900
JUN	29 400	DEC	115 000

TOTAL DISCHARGE, 529 000 dam³

NEWFOUNDLAND

JUNCTION BROOK NEAR BADGER - STATION NO. 02YO010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.120B	2.98 B	0.393	0.660B	2.98	1.54	0.266	1.42	0.105	0.036	3.10	1.64	
2	0.415B	2.45 B	0.374	0.540B	4.16	1.48	0.252	1.20	0.100	0.050	2.97	1.30 B	
3	0.380B	2.10 B	0.376	0.640B	6.42	1.39	0.254	1.05	0.098	0.057	2.12	1.00 B	
4	0.350B	1.79 B	0.371	1.00 B	9.52	1.18	0.246	0.914	0.087	0.069	1.44	0.830B	
5	0.327B	1.58 B	0.339	4.00 B	5.75	1.09	0.260	0.803	0.079	0.075	2.09	0.650B	
6	0.300B	1.35 B	0.315	13.0 B	4.89	1.01	0.224	0.692	0.070	0.075	1.94	0.590B	
7	0.280B	1.18 B	0.308	10.9 B	4.61	0.906	0.204	0.626	0.065	0.089	1.76	0.560B	
8	0.259B	1.01 B	0.302	9.00 B	4.98	0.801	0.186	0.548	0.065	0.108	1.58	0.540B	
9	0.238B	0.900B	0.301	8.40 B	3.58	0.734	0.182	0.504	0.065	0.125	1.46	0.650B	
10	0.210B	1.19 B	0.305	6.33	3.65	0.661	0.165	0.457	0.056	0.334	1.34	1.85 B	1
11	0.208B	1.56 B	0.311	5.27	3.72	0.596	0.191	0.419	0.056	0.465	1.19	1.25 B	1
12	0.190B	1.40 B	0.287	4.67	3.44	0.521	0.179	0.369	0.055	0.464	1.11	0.875B	1
13	0.181B	1.26 B	0.277	4.71	3.43	0.483	0.158	0.342	0.052	0.496	1.08	0.650B	1
14	0.171B	1.12 B	0.254	4.45	3.99	0.425	0.152	0.337	0.046	0.549	1.15	0.540B	1
15	0.160B	1.03 B	0.253	4.11	3.64	0.376	0.152	0.315	0.041	0.635	0.858	0.500B	1
16	0.150B	0.950B	0.239	3.77	3.26	0.365	0.150	0.301	0.036	0.614	0.820	0.480B	1
17	0.141B	0.880B	0.234	4.18	2.78	0.359	0.133	0.261	0.036	0.531	0.721	1.46 B	1
18	0.132B	0.810B	0.332	5.05	2.48	0.337	0.133	0.228	0.035	0.490	0.744	1.38 B	1
19	0.124B	0.750B	0.652	5.40	2.22	0.331	0.138	0.204	0.034	0.475	1.09	1.28 B	2
20	0.117B	0.700B	0.545	4.74	2.09	0.358	0.168	0.261	0.034	0.620	1.82	0.850B	2
21	0.110B	0.650B	0.486	4.15	2.69	0.542	0.480	0.233	0.046	0.604	1.85	0.630B	2
22	0.105B	0.615	0.815	3.95	2.90	0.504	1.26	0.221	0.041	0.579	1.73	0.500B	2
23	0.102B	0.577	0.960	3.77	2.79	0.446	0.772	0.199	0.043	0.553	1.69	0.460B	2
24	0.135B	0.533	1.44	3.97	2.56	0.385	0.758	0.180	0.056	0.482	2.30	0.700B	2
25	0.200B	0.523	2.00 B	3.52	2.30	0.405	2.73	0.167	0.060	0.509	2.41	1.30 B	2
26	0.350B	0.489	3.00 B	3.20	2.02	0.403	3.26	0.155	0.059	0.497	2.39	2.60 B	2
27	2.00 B	0.449	2.20 B	3.30	1.91	0.346	3.07	0.147	0.058	0.510	2.63	2.40 B	2
28	6.40 B	0.421	1.70 B	3.34	1.70	0.342	2.62	0.126	0.051	0.530	2.01	2.10 B	2
29	5.20 B		1.28 B	3.00	1.58	0.337	2.24	0.124	0.047	0.454	1.99	1.90 B	3
30	4.30 B		1.00 B	2.81	1.50	0.291	1.93	0.116	0.041	0.547	1.78	1.70 B	3
31	3.55 B		0.830B		1.47		1.68	0.109		2.05		1.50 B	3
TOTAL	26.905	31.267	22.479	135.830	101.01	18.944	24.603	13.088	1.719	13.673	51.663	34.645	TO
MEAN	0.868	1.12	0.725	4.53	3.26	0.632	0.794	0.422	0.057	0.441	1.72	1.12	ME
MAX	6.40	2.98	3.00	13.0	6.52	1.54	3.26	1.42	0.105	2.05	3.10	2.60	MA
MIN	0.102	0.421	0.234	0.540	1.47	0.291	0.133	0.109	0.034	0.036	0.721	0.460	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.30
MAXIMUM DAILY, 13.0B ON APR 06
MINIMUM DAILY, 0.034 ON SEP 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 34 N
LONG 056 01 04 W
DRAINAGE AREA, 61.6 km²

B - ICE CONDITIONS

NATURAL FLOW

REMARKS - GAUGING STATION RELOCATED 400M UPSTREAM OF ORIGINAL LOCATION IN AUGUST 1989

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 320	JUL	2 130
FEB	1 700	AUG	1 130
MAR	1 940	SEP	149
APR	11 700	OCT	1 180
MAY	8 730	NOV	4 460
JUN	1 640	DEC	2 990

TOTAL DISCHARGE, 41 100 dam³

KANAIRIKTOK RIVER BELOW SNEGAMOOK LAKE - STATION NO. 03NG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	50.0B	31.5B	24.8B	21.1B	19.6B	874	355	220	94.7	293	191	79.0B	
2	49.0B	31.1B	24.6B	21.0B	19.8B	888	343	211	97.0	289	178	76.5B	
3	48.0B	30.8B	24.4B	20.9B	20.1B	875	329	200	95.5	285	158	75.0B	
4	47.2B	30.6B	24.2B	20.8B	20.4B	877	317	194	94.2	279	144	74.0B	
5	46.0B	30.2B	24.0B	20.7B	20.7B	909	303	189	94.6	275	135	72.5B	
6	45.2B	30.0B	23.9B	20.6B	21.0B	965	290	183	95.3	272	129	71.0B	
7	44.2B	29.8B	23.9B	20.5B	21.5B	1 010	279	174	94.2	272	127	69.5B	
8	43.5B	29.4B	23.7B	20.4B	22.0B	1 030	269	167	96.5	268	125	69.0B	
9	42.7B	29.1B	23.6B	20.3B	22.5B	1 010	259	162	98.0	267	122	68.0B	1
10	42.0B	28.8B	23.4B	20.3B	23.1B	973	251	156	99.5	265	121	67.0B	1
11	41.5B	28.6B	23.2B	20.2B	24.0B	933	243	148	104	263	123	66.5B	1
12	40.5B	28.2B	23.1B	20.2B	25.0B	887	238	141	107	260	125	65.8B	1
13	40.0B	28.0B	23.0B	20.1B	26.5B	845	235	137	112	254	124	65.0B	1
14	39.5B	27.8B	22.9B	20.1B	28.0B	808	225	132	113	248	121	64.5B	1
15	38.9B	27.6B	22.8B	20.0B	30.5B	771	219	128	116	244	121	63.8B	1
16	38.3B	27.4B	22.7B	19.9B	36.5B	734	213	125	124	249	121	63.0B	1
17	37.8B	27.2B	22.6B	19.9B	45.0B	714	205	122	134	248	123	62.5B	1
18	37.2B	27.0B	22.5B	19.8B	56.0B	691	202	119	152	240	108	61.5B	1
19	36.7B	26.8B	22.4B	19.8B	70.0B	669	199	114	188	235	102	60.9B	1
20	36.3B	26.6B	22.3B	19.7B	88.0B	637	199	113	227	243	110	60.0B	2
21	35.9B	26.4B	22.2B	19.7B	115 B	601	204	111	262	248	110	59.5B	2
22	35.5B	26.2B	22.1B	19.6B	150 B	562	216	109	286	242	107	59.0B	2
23	34.9B	26.0B	22.0B	19.6B	193	528	231	106	300	244	100 B	58.5B	2
24	34.5B	25.8B	21.9B	19.5B	238	494	246	103	308	233	97.0B	57.5B	2
25	34.0B	25.6B	21.8B	19.5B	307	461	254	99.9	311	224	94.0B	57.0B	2
26	33.7B	25.4B	21.7B	19.4B	392	433	259	98.5	308	222	91.0B	56.5B	2
27	33.2B	25.2B	21.6B	19.4B	466	410	259	97.5	306	219	89.0B	54.0B	2
28	32.9B	25.0B	21.5B	19.3B	534	396	252	95.6	306	215	86.0B	53.0B	2
29	32.5B		21.4B	19.3B	614	380	244	95.5	303	206	84.0B	54.5B	2
30	32.2B		21.3B	19.5B	703	368	236	95.1	301	199	82.0B	54.0B	3
31	31.9B		21.2B		808		226	94.9		194		53.5B	3
TOTAL	1 215.7	782.1	706.6	601.1	5 160.2	21 733	7 800	4 241.0	5 327.5	7 693	3 544.0	1 974.8	TO
MEAN	39.2	27.9	22.8	20.0	166	724	252	137	178	248	118	63.7	ME
MAX	50.0	31.5	24.8	21.1	808	1 030	335	220	311	293	191	79.0	MA
MIN	31.9	25.0	21.2	19.3	19.6	368	199	94.9	94.2	194	82.0	53.5	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 167
MAXIMUM DAILY, 1 030 ON JUN 08
MINIMUM DAILY, 19.3B ON APR 28
MAXIMUM INSTANTANEOUS,
1 040 AT 12:01 AST ON JUN 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 060 58 38 W
DRAINAGE AREA, 8 930 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	105 000	JUL	674 000
FEB	67 600	AUG	366 000
MAR	61 100	SEP	460 000
APR	51 900	OCT	665 000
MAY	446 000	NOV	306 000
JUN	1 880 000	DEC	171 000

TOTAL DISCHARGE, 5 250 000 dam³

LEARY BROOK AT PRINCE PHILIP DRIVE - STATION NO. 02ZM020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.45	0.325B	0.498	0.320B	0.680	0.603	0.459	0.127	0.246	0.550	1.59	0.737	1
2	4.33	0.320B	0.482	0.383	0.640	0.493	0.418	0.195	0.192	4.75	1.59	1.05	2
3	2.57	0.290B	1.27	0.514	0.976	0.451	0.394	0.154	0.210	2.21	0.920	2.33	3
4	0.870	0.275B	7.02	0.663	0.950	0.405	0.375	0.132	0.262	1.47	0.996	1.08	4
5	0.815	0.260B	2.12	0.938	0.678	0.397	0.461	0.119	0.199	0.968	0.853	0.805	5
6	0.693	0.245B	0.874	1.02	0.634	1.54	0.359	0.206	0.169	0.874	0.667	1.35	6
7	0.553	0.230B	0.630	0.706	1.10	0.738	0.281	0.173	0.157	0.678	0.599	1.09	7
8	0.500	0.220B	0.505	0.767	1.01	1.96	0.584	0.148	0.271	0.605	0.624	0.794	8
9	0.476	0.210B	0.444	0.575	1.09	1.74	0.447	0.135	0.238	0.537	0.509	0.825	9
10	0.444	1.00 B	0.380B	0.484	1.31	0.908	0.368	0.131	0.177	1.22	0.705	2.72	10
11	0.559	7.12	0.340B	0.563	0.939	0.716	0.328	0.121	0.433	0.853	1.05	1.54	11
12	0.521	1.74	0.315B	1.10	0.783	0.623	0.261	0.119	0.334	0.982	1.51	0.934	12
13	0.733	0.871	0.290B	0.839	0.711	0.562	0.230	0.117	0.299	0.816	0.955	0.668	13
14	0.501	0.707	0.270B	0.578	0.630	0.473	0.216	0.120	0.277	0.643	0.763	0.650B	14
15	0.428	0.548	0.245B	0.518	0.613	0.418	0.187	0.603	0.179	2.64	0.647	0.613	15
16	0.387	0.440B	0.230B	0.506	0.588	0.424	0.183	0.251	0.170	1.08	0.756	0.563	16
17	0.377	0.400B	0.215B	1.84	0.572	1.08	0.184	0.173	0.169	0.711	0.683	1.69	17
18	0.505	0.310B	0.590B	1.67	0.533	0.642	0.185	0.149	0.417	0.603	0.674	1.69	18
19	0.784	0.310B	1.84	0.863	2.45	0.465	0.177	0.197	0.411	0.637	0.635	1.30	19
20	0.460	0.280B	0.578	0.691	14.0	1.47	0.158	0.189	0.410	1.19	0.625	1.13	20
21	0.360B	0.265B	1.11	0.615	5.09	0.939	0.162	0.158	0.335	0.640	0.501	0.775	21
22	0.345B	0.235B	1.41	0.562	4.67	1.20	0.139	0.136	0.277	0.522	0.484	0.752	22
23	0.315B	0.220B	0.593	0.830	1.00	0.750	0.153	0.128	0.228	0.490	0.620	0.876	23
24	0.290B	0.800B	0.630	1.69	1.83	0.798	0.233	0.118	0.216	0.454	0.819	1.72	24
25	0.280B	2.58	0.458	1.18	1.40	2.09	0.174	0.115	0.560	0.445	0.733	1.34	25
26	0.524	1.01	0.395B	0.976	1.11	1.16	0.156	0.112	8.06	0.625	0.739	0.797	26
27	4.67	0.637	0.360B	0.831	0.916	0.718	0.150	0.117	1.64	2.51	0.627	0.601	27
28	1.47	0.526	0.325B	1.25	0.735	0.638	0.138	0.142	0.954	1.62	0.512	0.443	28
29	0.766		0.300B	0.867	0.589	0.584	0.146	1.57	0.725	1.26	0.508	0.330B	29
30	0.456		0.280B	0.734	0.805	0.480	0.151	0.517	0.623	1.70	0.719	0.250B	30
31	0.380B		0.265B		0.963		0.137	0.333		3.06		0.702	31
TOTAL	26.772	22.394	25.562	25.077	51.995	26.215	7.994	7.005	18.688	40.553	22.891	32.955	TOTAL
MEAN	0.864	0.800	0.825	0.836	1.68	0.874	0.258	0.226	0.623	1.31	0.763	1.06	MEAN
MAX	4.67	7.12	7.02	1.84	14.0	2.09	0.504	1.57	8.06	4.75	1.59	2.72	MAX
MIN	0.280	0.210	0.215	0.320	0.533	0.397	0.137	0.112	0.157	0.445	0.484	0.250	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.844
MAXIMUM DAILY, 14.0 ON MAY 20
MINIMUM DAILY, 0.112 ON AUG 26
MAXIMUM INSTANTANEOUS, 19.4 AT 17:58 NST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 33 48 N
LONG 052 45 00 W
DRAINAGE AREA, 17.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 310	JUL	691
FEB	1 930	AUG	605
MAR	2 210	SEP	1 610
APR	2 170	OCT	3 500
MAY	4 490	NOV	1 980
JUN	2 260	DEC	2 850

TOTAL DISCHARGE, 26 600 dam³

LEARY BROOK AT ST. JOHN'S - STATION NO. 02ZM017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.903	0.265B	0.387	0.221	0.594	0.566	0.399	0.054	0.241	0.571	1.43	0.666	1
2	3.13	0.230B	0.343	0.279	0.554	0.461	0.351	0.100	0.184	3.54	1.05	0.829	2
3	1.25	0.210B	0.945	0.483	0.848	0.387	0.319	0.079	0.177	2.00	0.858	1.87	3
4	0.705	0.195B	6.04	0.671	0.821	0.323	0.319	0.060	0.241	1.48	0.736	0.917	4
5	0.704	0.187B	2.12	0.958	0.557	0.317	0.387	0.049	0.169	1.04	0.788	0.759	5
6	0.615	0.178B	1.05	1.09	0.487	1.34	0.299	0.089	0.139	0.954	0.629	1.36	6
7	0.493	0.170B	0.750	0.723	0.848	0.668	0.234	0.087	0.120	0.739	0.572	1.16	7
8	0.432	0.160B	0.578	0.860	0.810	1.62	0.488	0.069	0.191	0.609	0.525	0.852	8
9	0.401	0.190B	0.420B	0.600	0.935	1.48	0.430	0.058	0.197	0.529	0.440	0.883	9
10	0.361	0.700B	0.370B	0.492	1.10	0.883	0.316	0.055	0.129	1.22	0.613	2.32	10
11	0.484	5.10	0.315B	0.560	0.763	0.694	0.254	0.048	0.329	0.916	0.877	1.54	11
12	0.485	1.45	0.270B	1.21	0.624	0.606	0.198	0.044	0.292	0.610	1.35	0.979	12
13	0.670	0.756	0.245B	0.898	0.561	0.533	0.163	0.042	0.180	0.517	0.830	0.682	13
14	0.427	0.560B	0.220B	0.624	0.466	0.450	0.152	0.042	0.144	0.347	0.660	0.640B	14
15	0.340	0.400B	0.195B	0.552	0.445	0.409	0.148	0.385	0.127	2.20	0.585	0.607	15
16	0.317	0.350B	0.180B	0.525	0.417	0.598A	0.132	0.179	0.123	1.13	0.691	0.561	16
17	0.302	0.315B	0.165B	1.64	0.369	0.940E	0.127	0.106	0.119	0.758	0.624	1.95	17
18	0.391	0.270B	0.700B	1.58	0.339	0.680E	0.133	0.080	0.263	0.571	0.617	1.58	18
19	0.640B	0.245B	1.37	0.756	2.09	0.440E	0.123	0.101	0.318	0.528	0.554	1.25	19
20	0.460B	0.225B	0.619	0.572	11.4	1.32 E	0.111	0.109	0.378	1.09	0.563	1.16	20
21	0.317	0.205B	1.03	0.515	4.12	0.900E	0.107	0.087	0.287	0.589	0.447	0.793	21
22	0.251	0.190B	1.44	0.484	2.66	1.06 E	0.097	0.069	0.252	0.466	0.393	0.741	22
23	0.230B	0.180B	0.628	0.692	2.50	1.35 E	0.087	0.060	0.192	0.404	0.528	0.859	23
24	0.205B	1.17	0.629	1.41	1.69	0.800E	0.111	0.056	0.163	0.381	0.776	1.62	24
25	0.182B	2.08	0.446	1.09	1.35	1.88 E	0.117	0.051	0.428	0.363	0.625	1.33	25
26	0.405	0.829	0.365B	0.916	1.08	1.25 E	0.094	0.050	6.05	0.528	0.618	0.822	26
27	3.53	0.497	0.300B	0.741	0.868	0.885E	0.078	0.053	1.65	2.02	0.546	0.556	27
28	1.42	0.400	0.260B	1.08	0.727	0.801A	0.069	0.065	1.04	1.98	0.426	0.356	28
29	0.554		0.230B	0.763	0.590	0.542	0.068	1.17	0.781	1.26	0.412	0.290B	29
30	0.325		0.205B	0.653	0.725	0.434	0.077	0.630	0.676	2.90	0.611	0.240B	30
31	0.305B		0.190B		0.860		0.061	0.358		2.43		0.647	31
TOTAL	20.972	17.707	23.005	23.638	43.198	24.617	6.069	4.486	15.580	35.860	20.374	30.819	TOTAL
MEAN	0.677	0.632	0.742	0.788	1.39	0.821	0.196	0.145	0.519	1.16	0.679	0.994	MEAN
MAX	3.53	5.10	6.04	1.64	11.4	1.88	0.488	1.17	6.05	3.54	1.43	2.32	MAX
MIN	0.182	0.160	0.165	0.221	0.339	0.317	0.061	0.042	0.119	0.363	0.393	0.240	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.730
MAXIMUM DAILY, 11.4 ON MAY 20
MINIMUM DAILY, 0.042 ON AUG 13
MAXIMUM INSTANTANEOUS, 14.8 AT 19:15 NST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 33 43 N
LONG 052 45 47 W

DRAINAGE AREA, 15.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 810	JUL	524
FEB	1 530	AUG	388
MAR	1 990	SEP	1 350
APR	2 040	OCT	3 100
MAY	3 730	NOV	1 760
JUN	2 130	DEC	2 660

TOTAL DISCHARGE, 23 000 dam³

NEWFOUNDLAND

LEECH BROOK NEAR GRAND FALLS - STATION NO. 02YO007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.187B	4.90 B	0.310B	0.800B	6.83	4.76	0.239	0.642	0.048	0.273	13.9	2.61	1
2	0.400B	3.70 B	0.400B	0.700B	17.9	2.59	0.247	0.522	0.041	1.13	5.02	1.87 B	2
3	1.00 B	3.00 B	0.500B	1.65 B	23.7	1.62	0.454	0.454	0.033	2.52	3.98	1.60 B	1
4	0.850B	2.35 B	0.460B	5.50 B	13.1	1.18	0.134	0.380	0.028	1.78	2.75	1.38 B	4
5	0.720B	1.89 B	0.430B	23.0 B	7.39	0.915	0.131	0.352	0.021E	1.21	3.37	1.25 B	5
6	0.560B	1.45 B	0.400B	37.0 B	5.36	0.813	0.111	0.315	0.018E	1.16	3.50	1.15 B	6
7	0.470B	1.19 B	0.375B	32.2 B	4.62	0.702	0.091	0.260	0.016E	1.27	2.77	1.08 B	7
8	0.420B	0.920B	0.356B	20.1	3.95	0.572	0.082	0.241	0.018E	1.39	2.02	1.04 B	8
9	0.375B	0.745B	0.330B	15.9	4.43	0.464	0.069	0.198	0.026	1.57	1.67	1.25 B	9
10	0.340B	1.00 B	0.310B	8.93	7.94	0.404	0.058	0.162	0.020E	5.36	1.59	4.05 B	10
11	0.300B	1.60 B	0.290B	5.53	7.27	0.363	0.112	0.136	0.024E	6.18	1.45	2.00 B	11
12	0.282B	1.40 B	0.280B	5.94	5.50	0.332	0.091	0.139	0.032	3.17	1.58	1.55 B	12
13	0.250B	1.24 B	0.260B	9.17	5.81	0.279	0.074	0.124	0.021E	2.16	1.70	1.25 B	13
14	0.230B	1.10 B	0.245B	9.26	4.20	0.243	0.067	0.110	0.016E	2.21	1.82	1.15 B	14
15	0.214B	0.990B	0.232B	7.30	3.74	0.203	0.060	0.135	0.014E	2.76	1.13	1.05 B	15
16	0.200B	0.900B	0.218B	6.18	3.31	0.167	0.044	0.135	0.014E	2.32	1.04	0.980B	16
17	0.189B	0.820B	0.200B	10.6	2.67	0.170	0.039	0.088	0.012E	1.74	0.944	1.25 B	17
18	0.178B	0.750B	0.320B	12.9	2.33	0.153	0.041	0.066	0.013E	1.31	1.07	1.68 B	18
19	0.169B	0.655B	0.340B	14.8	2.82	0.138	0.055	0.169	0.015E	1.19	2.84	2.35 B	19
20	0.161B	0.595B	0.820B	6.96	2.07	0.201	0.126	0.248	0.022E	2.59	8.92	3.25 B	20
21	0.152B	0.550B	1.30 B	7.10	7.42	0.604	0.287	0.210	0.120	2.60	6.28	1.40 B	21
22	0.146B	0.495B	2.15 B	6.88	7.45	0.957	6.29	0.177	0.174	1.86	3.93	1.10 B	22
23	0.139B	0.455B	3.50 B	6.10	4.96	0.955	4.27	0.158	0.185	1.41	3.18	1.00 B	23
24	0.134B	0.420B	5.00 B	6.21	3.44	0.765	3.14	0.129	0.456	1.13	8.01	0.950B	24
25	0.129B	0.395B	3.98 B	4.40	2.67	0.662	17.4	0.101	0.732	1.22	7.30	1.80 B	25
26	0.700B	0.365B	3.20 B	4.66	2.12	0.643	12.7	0.089	0.809	1.31	4.85	3.65 B	26
27	2.70 B	0.345B	2.55 B	5.96	1.88	0.524	6.53	0.075	0.652	1.46	3.74	2.80 B	27
28	10.0 B	0.325B	2.02 B	5.77	1.79	0.422	3.84	0.070	0.513	1.46	2.58	2.20 B	28
29	8.70 B		1.61 B	4.42	1.54	0.355	2.14	0.078	0.403	1.36	2.93	1.75 B	29
30	7.30 B		1.28 B	4.31	1.32	0.273	1.66	0.071	0.333	1.89	3.38	1.30 B	30
31	6.20 B		1.05 B		3.26		1.06	0.062		16.0		1.05 B	31
TOTAL	43.795	34.545	34.916	291.430	171.59	22.432	61.464	6.097	4.831	75.393	109.244	52.790	TOT
MEAN	1.41	1.23	1.13	9.71	5.54	0.748	1.98	0.197	0.161	2.43	3.64	1.70	MEA
MAX	10.0	4.90	3.00	37.0	23.7	4.76	17.4	0.642	0.809	16.0	13.9	4.05	MAX
MIN	0.129	0.325	0.200	0.700	1.32	0.138	0.039	0.062	0.012	0.273	0.944	0.950	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.49
MAXIMUM DAILY, 37.0B ON APR 06
MINIMUM DAILY, 0.012E ON SEP 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 56 42 N
LONG 055 49 42 W
DRAINAGE AREA, 88.3 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 780	JUL	5 310
FEB	2 980	AUG	527
MAR	3 020	SEP	417
APR	25 200	OCT	6 510
MAY	14 800	NOV	9 440
JUN	1 940	DEC	4 560

TOTAL DISCHARGE, 78 500 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.121 IS DUE TO CURVE EXTENSION

LEWASEECHJEECH BROOK AT LITTLE GRAND LAKE - STATION NO. 02YK002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	4.30B	27.4	3.92	7.52	37.1	47.0	7.87	18.9	3.52	9.63	21.9	28.8	
2	4.20B	24.2	3.84	6.97	59.6	40.3	7.33	17.2	3.38	10.4	21.2	24.1	
3	4.10B	19.3	3.69	6.63	107	38.0	6.96	15.9	3.17	11.9	19.9	20.3	
4	4.02B	16.6	3.56	7.04	117	36.9	6.18	17.9	2.97	12.0	18.2	17.3	
5	3.95B	14.7	3.41	18.6	99.3	37.4	5.57	19.5	2.76	11.5	21.1	15.2	
6	3.91B	12.9	3.34	49.4	81.7	33.9	4.86	18.2	2.49	11.3	26.4	13.5	
7	3.82B	11.6	3.23	72.6	66.6	28.6	4.73	15.8	2.46	11.3	29.2	12.6	
8	3.76B	10.4	3.10	76.0	52.9	24.3	4.30	13.8	2.29	11.7	26.9	11.9	
9	3.70B	9.70	3.02	65.9	43.3	21.1	4.17	12.1	2.18	13.3	23.9	31.7	
10	3.64B	9.23	2.90	52.8	42.1	18.2	4.12	10.5	2.09	21.5	17.5	78.7	1
11	3.59B	9.19	2.87	42.6	50.0	15.8	4.48	9.56	2.08	32.0	15.9	70.1	1
12	3.52B	8.76	2.80	39.1	59.7	13.6	4.42	9.21	2.16	30.1	15.4	50.6	1
13	3.47B	8.15	2.70	41.2	71.2	12.2	4.35	7.92	2.14	26.9	15.9	37.2	1
14	3.40B	7.70	2.61	38.6	74.2	11.1	4.21	7.82	2.13	28.7	15.1	28.4	1
15	3.35B	7.05	2.53	33.8	72.7	9.91	3.94	7.16	2.15	31.0	13.7	22.7	1
16	3.30B	6.69	2.42	29.6	74.6	9.26	3.85	6.62	2.06	28.1	12.5	19.3	1
17	3.25B	6.48	2.39	31.7	70.8	9.03	3.78	6.30	2.05	23.5	11.3	18.8	1
18	3.45B	5.45	4.68	40.2	67.6	8.63	3.46	5.92	2.99	20.1	10.7	19.1	1
19	3.60B	4.84	3.77	46.0	61.0	7.86	3.46	6.82	3.63	18.0	13.5	36.9	1
20	3.50B	4.67	5.21	44.9	53.2	7.78	3.65	7.95	3.85	23.9	23.2	54.2	2
21	3.42B	4.35	7.31	40.1	47.6	9.44	3.72	8.00	5.33	27.7	28.5	47.3	2
22	3.38B	4.18	8.83	37.3	45.7	10.7	3.87	7.44	8.58	26.4	27.0	36.9	1
23	3.32B	4.03	9.30	34.7	45.3	10.7	3.87	6.85	10.4	23.5	27.9	29.3	1
24	3.26B	3.88	9.86	36.6	43.5	10.2	6.45	6.37	13.5	21.0	32.1	54.7	1
25	3.23B	3.87	10.6	36.2	41.4	9.13	48.8	5.74	17.7	20.2	32.8	56.3	1
26	3.20B	3.95	11.0	32.5	38.1	8.40	79.5	5.30	17.8	20.5	34.8	46.2	2
27	8.33	4.00	11.0	32.0	37.4	7.95	68.6	4.91	16.2	19.6	36.5	35.2	2
28	17.2	3.99	10.4	36.5	36.7	7.65	53.2	4.51	14.9	17.9	34.0	27.5	2
29	26.7		9.57	38.8	39.1	8.16	39.2	4.24	12.1	16.3	30.7	22.2	2
30	30.9		8.94	38.0	41.2	8.22	30.4	4.03	10.6	15.4	30.8	18.6	1
31	30.3		8.15		47.1		23.7	3.79		18.9		15.9	1
TOTAL	207.09	257.26	168.95	1 114.46	1 826.7	521.62	456.80	295.56	178.66	614.23	666.7	1 008.5	TO
MEAN	6.68	9.19	5.45	37.1	58.9	17.4	14.7	9.53	5.96	19.8	22.2	32.5	ME
MAX	30.9	27.4	11.0	76.0	117	47.0	79.5	19.5	17.8	32.0	36.5	78.7	MA
MIN	3.20	3.87	2.39	6.63	37.1	7.65	3.46	3.79	2.05	9.63	10.7	11.9	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.0
MAXIMUM DAILY, 117 ON MAY 04
MINIMUM DAILY, 2.05 ON SEP 17
MAXIMUM INSTANTANEOUS,
119 AT 02:37 NST ON MAY 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 37 20 N
LONG 057 56 00 W
DRAINAGE AREA, 470 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 900	JUL	39 500
FEB	22 200	AUG	25 500
MAR	14 600	SEP	15 400
APR	96 300	OCT	53 100
MAY	158 000	NOV	57 600
JUN	45 100	DEC	87 100

TOTAL DISCHARGE, 632 000 dam³

NEWFOUNDLAND

LITTLE BARACHOIS BROOK NEAR ST. GEORGE'S - STATION NO. 02ZA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.36	12.5	2.35	4.00	26.7	16.0	4.49	5.80	1.84	3.66	23.4	19.2	1
2	4.17	11.0	2.26	3.75	35.5	12.9	3.76	5.51	1.75	4.27	18.5	14.2	2
3	4.03	9.70	2.18	8.00	90.9	11.6	3.35	5.40	1.69	4.93	13.9	10.6	3
4	3.95	8.40	2.11	25.0	66.7	11.6	3.06	6.19	1.59	5.10	10.5	7.95	4
5	3.85	7.50	2.07	105	41.8	13.1	2.82	6.28	1.52	4.97	27.1	6.79	5
6	3.78	6.70	2.00	101	32.1	11.0	2.48	5.45	1.49	5.08	25.2	10.2	6
7	3.70	6.05	1.95	77.4	25.0	8.94	2.39	4.68	1.43	5.89	18.7	11.2	7
8	3.62	5.50	1.90	52.7	20.3	7.46	2.31	4.10	1.56	9.81	14.1	9.93	8
9	3.53	5.00	1.87	39.1	20.0	6.35	2.23	3.67	1.53	10.3	11.2	38.4	9
10	3.45	4.60	1.83	28.4	23.6	5.68	2.47	3.42	1.50	27.9	9.25	82.1	10
11	3.39	5.35	1.79	21.0	32.3	5.08	4.06	3.12	1.46	28.0	11.1	46.2	11
12	3.31	4.95	1.76	32.9	40.4	4.63	3.27	2.91	1.40	21.0	17.4	26.7	12
13	3.25	4.65	1.71	33.8	43.6	4.20	2.81	3.54	1.45	23.2	15.4	16.9	13
14	3.18	4.40	1.68	26.9	43.1	3.84	2.49	3.72	1.53	46.6	12.4	12.1 B	14
15	3.10	4.15	1.65	21.7	39.1	3.50	2.26	3.41	1.45	34.4	9.66	10.0 B	15
16	3.04	3.90	1.62	23.6	37.7	3.40	2.06	3.19	1.39	23.0	8.13	8.60B	16
17	2.98	3.70	1.59	34.9	34.1	5.63	2.36	2.96	1.39	17.0	7.37	24.0	17
18	3.35	3.50	4.00	42.8	32.0	5.50	2.32	2.77	1.53	13.1	8.80	23.3	18
19	3.81	3.35	6.80	37.5	28.0	5.25	2.14	2.98	1.65	10.8	14.4	40.8	19
20	3.75	3.20	8.00	28.5	24.6	5.75	5.87	7.44	5.41	20.2	20.6	45.8	20
21	3.65	3.10	7.00	27.0	23.0	9.44	4.16	5.41	7.55	24.7	20.4	31.9	21
22	3.55	2.95	6.20	28.9	23.7	8.93	3.52	4.24	14.9	18.9	16.2	20.7	22
23	3.44	2.85	5.60	32.5	23.4	7.35	3.07	3.54	12.1	19.0	12.8	18.7	23
24	3.39	2.75	6.80	37.1	20.8	6.01	17.6	3.15	10.8	15.7	18.5	59.6	24
25	3.30	2.68	7.40	29.5	18.2	5.17	107	2.78	9.71	14.3	19.7	50.4	25
26	4.70	2.58	6.60	24.9	15.9	4.59	68.5	2.51	7.86	13.1	22.2	35.1	26
27	8.50	2.51	6.00	28.0	14.9	4.14	30.0	2.40	6.21	11.8	25.5	18.0 B	27
28	14.5	2.47	5.57	33.3	14.0	4.17	22.4	2.16	5.06	10.3	20.4	13.2 B	28
29	20.0		5.00	29.2	14.2	6.36	14.8	2.08	4.43	8.67	20.1	10.2 B	29
30	17.0		4.60	25.8	15.5	5.38	10.3	2.04	3.98	10.4	24.0	8.60B	30
31	14.5		4.30		17.5		7.41	1.96		20.8		10.0 B	31
TOTAL	167.13	139.99	118.19	1 044.15	955.6	212.95	355.76	125.71	122.24	486.88	496.91	741.67	TOTAL
MEAN	5.39	5.00	3.81	34.8	30.8	7.10	11.5	4.06	4.07	15.7	16.6	23.9	MEAN
MAX	20.0	12.5	8.00	105	90.9	16.0	107	9.88	14.8	46.6	27.1	82.1	MAX
MIN	2.98	2.47	1.59	3.75	14.2	3.40	2.06	1.96	1.39	3.66	7.37	6.79	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.6
MAXIMUM DAILY, 107 ON JUL 25
MINIMUM DAILY, 1.39 ON SEP 16
MAXIMUM INSTANTANEOUS,
136 AT 10:29 NST ON JUL 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 26 44 N
LONG 058 23 55 W
DRAINAGE AREA, 343 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	14 400	JUL	30 700
FEB	12 100	AUG	10 900
MAR	10 200	SEP	10 600
APR	90 200	OCT	42 100
MAY	82 600	NOV	42 900
JUN	18 400	DEC	64 100

TOTAL DISCHARGE, 429 000 dam³

LITTLE BARACHOIS RIVER NEAR PLACENTIA - STATION NO. 02ZK003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.74	0.800B	0.760B	0.205B	0.763	1.72	0.599	0.271	1.35	0.618	4.62	1.55	1
2	18.6	0.660B	0.620B	0.272	0.667	1.18	0.536	0.270	0.863	5.62	2.21	1.35	2
3	3.60	0.565B	2.41	0.348	1.30	0.839	0.492	0.245	0.678	4.16	1.47	1.83	3
4	2.30 B	0.470B	37.1	0.547	1.70	0.645	0.487	0.237	1.27	2.95	1.20	1.52	4
5	0.980B	0.400B	5.33	7.89	1.22	1.25	0.469	0.229	0.902	1.74	1.15	1.19	5
6	0.820B	0.350B	1.65 B	7.44	1.00	9.45	0.429	0.307	0.636	1.93	1.01	2.40	6
7	0.650B	0.310B	0.980B	2.11	1.13	3.19	0.389	0.468	0.488	1.52	0.940	2.58	7
8	0.540B	0.270B	0.760B	1.83	1.50	7.20	0.450	0.364	0.653	1.20	0.847	1.64	8
9	0.425B	0.250B	0.722B	1.40	2.94	5.58	0.443	0.296	0.949	0.958	0.795	1.31	9
10	0.550B	0.900B	0.420B	1.00	2.21	2.26	0.467	0.268	0.680	2.05	0.759	6.83	10
11	0.840B	35.7	0.335B	1.14	1.63	1.48	0.543	0.245	2.10	2.18	0.908	3.34	11
12	1.47	4.95	0.290B	3.69	1.42	1.11	0.467	0.242	2.17	1.46	2.14	1.96	12
13	2.39	1.67	0.263B	2.59	1.33	0.859	0.392	0.226	1.28	1.16	1.81	6.11	13
14	1.35 B	1.10	0.240B	1.44	1.05	0.699	0.358	0.218	0.863	0.951	1.42	1.24	14
15	1.00 B	0.800B	0.215B	0.973	0.895	0.634	0.334	2.45	0.629	14.0	1.24	1.45	15
16	0.826	0.640B	0.195B	0.841	0.834	0.588	0.309	1.66	0.543	3.84	1.30	0.862	16
17	0.659	0.540B	0.172B	4.77	0.727	2.06	0.348	0.976	0.480	1.89	1.20	5.68	17
18	0.832	0.445B	0.343	2.83	0.599	2.26	0.348	0.605	0.473	1.24	1.00	5.17	18
19	2.69	0.400B	1.17	1.68	0.589	1.51	0.332	0.522	0.451	0.966	0.926	3.69	19
20	1.75 B	0.335B	0.731	1.18	2.85	4.19	0.320	0.602	0.402	1.79	1.16	4.10	20
21	1.15 B	0.290B	3.13	0.845	2.84	4.99	0.424	0.489	0.577	1.38	1.31	1.97	21
22	0.830B	0.265B	5.17	0.971	1.73	5.61	0.421	0.389	0.711	1.05	1.11	1.58	22
23	0.620B	0.321	1.48	7.17	1.34	3.17	0.343	0.340	0.532	0.862	1.00	2.20	23
24	0.481B	5.10	1.00 B	10.9	1.04	1.71	0.731	0.298	0.483	0.768	1.60	6.90	24
25	0.420B	8.72	0.640B	3.36	0.863	1.48	0.971	0.254	0.491	0.706	1.66	5.59	25
26	0.579	2.00 B	0.500B	1.81	0.736	1.36	0.741	0.237	5.15	0.884	1.69	2.52	26
27	14.1	1.45 B	0.410B	1.33	0.615	1.13	0.554	0.233	2.43	3.15	1.56	2.30	27
28	4.16	1.00 B	0.330B	1.30	0.534	0.911	0.437	0.222	1.39	4.88	1.26	1.88 B	28
29	2.61		0.280B	1.25	0.460	0.795	0.341	0.756	0.996	2.29	1.04	1.55 B	29
30	2.00 B		0.250B	0.962	0.562	0.662	0.300	1.13	0.763	3.66	1.15	1.18	30
31	1.05 B		0.220B		2.40		0.286	1.99		12.8		1.16	31
TOTAL	77.212	70.701	68.116	74.154	38.522	70.522	14.064	17.049	31.383	84.653	41.485	84.652	TOTAL
MEAN	2.49	2.53	2.20	2.47	1.24	2.35	0.454	0.550	1.05	2.73	1.38	2.73	MEAN
MAX	18.6	35.7	37.1	10.9	2.85	9.45	0.971	2.45	5.15	14.0	4.62	6.90	MAX
MIN	0.420	0.250	0.172	0.205	0.468	0.589	0.286	0.218	0.402	0.618	0.759	0.862	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 37.1 ON MAR 04
MINIMUM DAILY, 0.172B ON MAR 17
MAXIMUM INSTANTANEOUS,
64.3E AT 14:09 NST ON MAR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 10 53 N
LONG 054 02 27 W
DRAINAGE AREA, 37.2 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 670	JUL	1 220
FEB	6 110	AUG	1 470
MAR	5 890	SEP	2 710
APR	6 410	OCT	7 310
MAY	3 330	NOV	3 580
JUN	6 090	DEC	7 310

TOTAL DISCHARGE, 58 100 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 47.8 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

LITTLE BARASWAY BROOK NEAR MOLLIERS - STATION NO. 02ZG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.65 B	0.750B	0.305B	0.228B	0.558	0.714	0.343	0.060	0.086	0.536	1.71	0.600B
2	6.82 B	0.600B	0.262B	0.206B	0.489	0.515	0.294	0.101	0.067	3.74	1.08	0.500B
3	3.78 B	0.515B	0.900B	0.435B	1.95	0.406	0.261	0.067	0.066	4.65	0.774	0.518B
4	2.72 B	0.420B	10.7 B	0.682B	1.41	0.336	0.197	0.059	0.082	2.98	0.647	0.492B
5	3.37 B	0.365B	7.00 B	3.22 B	0.955	3.99	0.183	0.052	0.076	1.86	0.616	0.460B
6	2.82 B	0.318B	4.10 B	2.10 B	0.774	3.90	0.180	0.055	0.067	1.81	0.523	0.620B
7	2.19 B	0.279B	2.75 B	1.72 B	1.83	2.17	0.136	0.052	0.057	1.24	0.498	0.520B
8	1.73 B	0.246B	1.83 B	1.30 B	1.90	3.75	0.127	0.053	0.097	0.936	0.488	0.781
9	1.40 B	0.220B	1.39 B	1.08 B	1.28	2.48	0.101	0.049	0.094	0.767	0.508	1.74
10	1.20 B	2.00 B	1.04 B	0.910B	1.04	1.62	0.161	0.051	0.075	1.23	0.489	6.53
11	1.68 B	14.3 B	0.810B	1.52 B	0.874	1.08	0.151	0.052	0.307	1.10	1.46	2.99
12	2.14 B	7.00 B	0.620B	5.45 B	1.17	0.832	0.126	0.044	0.315	0.901	2.55	1.88
13	1.18 B	3.10 B	0.510B	3.47	1.14	0.646	0.096	0.081	0.249	0.766	1.46	1.38 B
14	0.750B	1.80 B	0.416B	1.99	0.930	0.536	0.083	0.081	0.173	0.621	0.961	1.05 B
15	0.560B	1.30 B	0.342B	1.32	0.894	0.455	0.055	0.873	0.159	4.48	0.854	1.30 B
16	0.415B	0.950B	0.300B	1.13	0.763	0.356	0.049	0.725	0.148	2.41	0.684	1.61 B
17	0.355B	0.750B	0.248B	2.17	0.660	1.61	0.213	0.423	0.131	1.43	0.582	2.11 B
18	0.538B	0.630B	0.500B	1.68	0.527	1.49	0.209	0.336	0.123	0.989	0.555	3.10
19	0.405B	0.515B	0.385B	1.30	0.588	1.03	0.159	0.267	0.120	0.837	1.25	4.44
20	0.340B	0.425B	0.327B	0.978	2.29	2.36	0.106	0.240	0.086	1.05	1.92	3.34
21	0.288B	0.362B	0.658B	0.758	2.35	2.90	0.094	0.199	0.228	0.835	1.19	2.37
22	0.247B	0.308B	1.51 B	1.34	1.58	2.97	0.096	0.150	0.209	0.666	0.854	2.02
23	0.221B	0.275B	1.09 B	4.17	1.07	1.89	0.071	0.120	0.163	0.551	0.914	2.90
24	0.350B	0.540B	0.800B	11.4 E	0.828	1.19	0.200	0.103	0.592	0.437	1.46	3.27
25	0.600B	1.00 B	0.635B	3.72	0.689	1.33	0.261	0.086	1.00	0.536	1.93	3.46
26	1.30 B	0.570B	0.525B	2.10	0.612	1.16	0.209	0.078	1.71	0.589	1.68	2.03
27	3.19 B	0.424B	0.442B	1.30	0.457	0.869	0.140	0.077	1.12	1.63	1.21	1.55 B
28	2.30 B	0.340B	0.382B	0.998	0.445	0.689	0.112	0.074	0.814	3.13	0.847	1.24 B
29	1.58 B		0.328B	0.851	0.365	0.534	0.076	0.110	0.690	1.65	0.729	1.05 B
30	1.23 B		0.291B	0.675	0.478	0.451	0.069	0.104	0.593	1.81	0.683	0.900B
31	0.980B		0.261B		0.918		0.073	0.092		2.08		0.800B
TOTAL	49.329	40.302	41.657	60.201	31.814	44.259	4.631	4.914	9.697	48.247	31.106	57.551
MEAN	1.59	1.44	1.34	2.01	1.03	1.48	0.149	0.159	0.323	1.56	1.04	1.86
MAX	6.82	14.3	10.7	11.4	2.35	3.99	0.343	0.873	1.71	4.65	2.55	6.53
MIN	0.221	0.220	0.248	0.206	0.365	0.336	0.049	0.044	0.057	0.437	0.488	0.460

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.16
MAXIMUM DAILY, 14.3B ON FEB 11
MINIMUM DAILY, 0.044 ON AUG 12
MAXIMUM INSTANTANEOUS,
22.9E AT 01:20 NST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 06 00 N
LONG 055 37 15 W
DRAINAGE AREA, 28.2 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 260	JUL	400
FEB	3 480	AUG	425
MAR	3 600	SEP	838
APR	5 200	OCT	4 170
MAY	2 750	NOV	2 690
JUN	3 820	DEC	4 970

TOTAL DISCHARGE, 36 600 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 6.32 IS DUE TO CURVE EXTENSION

LITTLE CODROY RIVER NEAR DOYLES - STATION NO. 02ZA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.50B	3.50B	1.13 B	1.25B	12.0	17.5	2.49	1.96	1.35	27.6	14.5	6.67
2	2.70B	3.05B	1.09 B	1.20B	33.5	14.7	2.10	33.6	1.25	30.2	9.70	5.47
3	2.48B	2.85B	1.06 B	3.04	44.7	15.1	1.83	52.1	1.20	16.2	7.43	4.40
4	2.28B	2.60B	1.03 B	10.0	26.1	15.8	1.70	27.2	1.12	11.6	6.01	3.65
5	2.07B	2.45B	1.00 B	68.0	17.2	15.0	1.59	14.7	1.04	10.0	12.8	17.5
6	1.90B	2.25B	0.980B	46.1	12.7	10.4	1.44	9.28	0.967	9.53	9.68	40.5
7	1.79B	2.10B	0.960B	28.6	9.52	8.43	1.36	6.51	0.973	6.89	7.62	17.1
8	1.65B	1.97B	0.940B	17.6	8.35	7.35	1.20	4.96	2.11	5.55	6.20	15.2
9	1.52B	1.87B	0.920B	11.4	8.52	6.50	1.11	3.92	1.64	4.70	5.21	203
10	1.45B	1.80B	0.905B	8.02	12.0	5.66	1.35	3.37	1.26	8.37	4.79	99.3
11	1.68B	2.32B	0.895B	7.88	14.0	4.98	1.46	2.79	2.75	6.78	19.6	35.5
12	1.57B	2.25B	0.886B	28.5	10.6	4.30	1.33	2.47	1.85	5.83	21.5	18.1
13	1.48B	2.11B	0.865B	18.3	21.3	3.97	1.14	10.8	1.66	6.41	12.8	11.9
14	1.40B	2.00B	0.855B	12.1	20.8	3.90	1.04	7.18	1.79	8.72	9.18	10.7
15	1.34B	1.92B	0.840B	9.36	23.6	4.28	1.03	9.09	1.46	9.25	7.28	8.35
16	1.30B	1.82B	0.830B	14.4	21.6	4.22	0.979	6.52	3.20	7.02	6.01	8.21
17	1.27B	1.76B	0.820B	18.5	23.3	5.09	0.983	4.93	3.74	5.60	5.54	41.4
18	2.05B	1.68B	0.810B	18.4	18.8	4.32	0.994	3.82	7.94	4.55	8.41	52.7
19	3.40B	1.62B	4.60 B	14.2	13.9	3.79	0.982	3.78	4.75	11.4	23.7	70.9
20	2.85B	1.56B	3.90 B	9.92	19.4	3.81	1.80	3.58	4.23	17.3	32.2	43.8
21	2.25B	1.50B	3.00 B	9.35	24.0	4.97	1.53	2.90	9.62	11.6	21.5	21.5
22	1.95B	1.44B	2.40 B	9.93	24.8	4.12	1.35	2.49	8.56	8.61	13.9	13.8
23	1.75B	1.39B	1.90 B	9.93	20.6	3.46	1.26	2.11	10.7	9.79	10.1	12.4
24	1.61B	1.34B	2.15 B	11.7	16.2	3.16	10.1	1.84	60.6	7.32	11.1	24.4
25	1.47B	1.29B	2.25 B	8.93	13.2	4.00	9.36	1.69	22.2	41.5	12.4	29.6
26	4.00B	1.25B	1.98 B	7.46	11.9	3.69	6.80	1.58	12.5	19.5	22.4	16.6
27	15.0 B	1.21B	1.70 B	8.06	12.3	3.19	5.13	1.45	8.34	13.3	12.9	10.8
28	8.50B	1.18B	1.68 B	10.4	11.8	3.04	4.04	1.40	6.16	9.74	9.52	8.01
29	5.60B		1.52 B	9.39	12.4	3.69	3.32	1.30	4.67	7.41	9.28	6.63
30	4.60B		1.43 B	8.44	28.3	3.01	2.65	1.68	3.74	9.76	8.89	6.22
31	4.00B		1.33 B		34.7		2.24	1.54		21.8		8.52
TOTAL	88.41	54.08	46.656	440.36	602.09	195.43	75.688	232.54	193.370	373.63	362.24	850.83
MEAN	2.85	1.93	1.51	14.7	19.4	6.51	2.44	7.50	6.45	12.1	12.1	27.4
MAX	15.0	3.50	4.60	68.0	44.7	17.5	10.1	52.1	60.6	41.5	32.2	203
MIN	1.27	1.18	0.810	1.20	8.35	3.01	0.979	1.30	0.967	4.55	4.79	3.65

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.63
MAXIMUM DAILY, 203 ON DEC 09
MINIMUM DAILY, 0.810B ON MAR 18
MAXIMUM INSTANTANEOUS,
319E AT 14:01 NST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 49 19 N
LONG 059 11 40 W
DRAINAGE AREA, 139 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 640	JUL	6 540
FEB	4 670	AUG	20 100
MAR	4 030	SEP	16 700
APR	38 000	OCT	32 300
MAY	52 000	NOV	31 300
JUN	16 900	DEC	73 500

TOTAL DISCHARGE, 304 000 dam³

NEWFOUNDLAND

LITTLE MECATINA RIVER ABOVE LAC FOURMONT - STATION NO. 02XA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.5B	20.8B	16.7B	14.2B	25.1B	460 E	82.8	72.2	44.6	99.5	56.8	30.0B	1
2	30.1B	20.6B	16.5B	14.8B	26.8B	445 E	81.5	68.5	46.0	97.2	52.3	29.8B	2
3	29.8B	20.4B	16.3B	15.5B	28.2B	422 E	77.6	72.1	46.7	94.2	50.1B	29.4B	3
4	29.2B	20.2B	16.2B	16.8B	30.0B	400 E	76.6	80.6	45.7	89.4	48.5B	28.9B	4
5	28.8B	20.0B	16.1B	18.0B	31.5B	360 E	77.2	85.0	45.9	85.9	47.5B	28.6B	5
6	28.3B	19.9B	16.0B	19.2B	34.0B	330 E	84.2	82.1	45.0	84.1	45.8B	28.2B	6
7	28.0B	19.7B	15.9B	20.5B	37.0B	305 E	91.0	76.9	45.0	82.7	44.2B	27.8B	7
8	27.5B	19.6B	15.8B	21.9B	39.5B	270 E	92.2	70.6	51.9	82.4	42.5B	27.5B	8
9	27.2B	19.3B	15.7B	22.0B	42.0B	245 A	91.7	66.4	57.0	85.1	41.2B	27.3B	9
10	26.8B	19.1B	15.6B	22.0B	45.0B	217	90.9	66.5	58.1	82.0	40.5B	27.0B	10
11	26.4B	19.0B	15.5B	21.2B	48.2B	202	91.6	66.0	56.6	79.4	39.5B	26.6B	11
12	26.2B	18.8B	15.4E	20.2B	53.0B	186	94.4	70.4	54.0	76.7	39.0B	26.4B	12
13	25.8B	18.7B	15.3B	19.2B	59.0B	169	92.4	72.0	52.7	75.4	38.5B	26.2B	13
14	25.4B	18.5B	15.2B	18.5B	67.0B	153	88.8	72.1	51.5	72.8	37.8B	25.8B	14
15	25.0B	18.3B	15.1B	19.5B	77.0E	140	85.8	76.3	57.0	74.2	37.2B	25.6B	15
16	24.9B	18.2B	15.0B	20.5B	92.0E	132	83.3	85.1	67.5	77.5	36.8B	25.3B	16
17	24.5B	18.1B	14.9B	22.0B	104 E	123	79.7	83.2	78.6	80.3	36.2B	25.1B	17
18	24.2B	18.0B	14.9B	22.8B	124 E	117	79.4	78.3	89.0	83.3	35.8B	24.8B	18
19	23.8B	17.8B	14.8B	22.9B	150 E	110	82.9	72.6	109	86.3	35.2B	24.6B	19
20	23.7B	17.7B	14.8B	22.5B	180 E	102	95.6	68.0	127	93.4	34.8B	24.2B	20
21	23.4B	17.6B	14.7B	21.5B	205 E	95.2	114	63.7	136	97.5	34.2B	24.1B	21
22	23.1B	17.5B	14.7B	20.8B	235 E	88.5	133	59.8	139	101	33.8B	23.9B	22
23	22.8B	17.4B	14.6B	20.2B	280 E	81.9	139	56.1	136	105	33.2B	23.8B	23
24	22.6B	17.3B	14.6B	19.1B	320 E	77.0	141	52.2	132	106	32.8B	23.4B	24
25	22.4B	17.2B	14.5B	19.4B	360 E	73.9	141	49.3	126	104	32.5B	23.2B	25
26	22.2B	17.0B	14.5B	20.0B	410 E	72.9	135	47.9	121	99.7	31.8B	23.0B	26
27	21.8B	16.9B	14.4B	20.8B	450 E	73.2	120	45.9	116	90.2	31.5B	22.8B	27
28	21.7B	16.8B	14.2B	21.7B	475 E	75.8	107	44.9	112	82.3	31.2B	22.7B	28
29	21.5B		14.1B	22.8B	482 E	79.9	96.3	44.8	108	80.0B	30.8B	22.3B	29
30	21.2B		14.1B	23.8B	480 E	82.7	86.8	44.3	104	74.0B	30.5B	22.2B	30
31	21.0B		14.0B		478 E		79.8	45.0		68.0B		22.0B	31
TOTAL	779.8	520.4	470.1	604.3	5 468.3	5 689.0	3 012.5	2 038.8	2 458.8	2 686.5	1 162.5	792.5	TOTAL
MEAN	25.2	18.6	15.2	20.1	176	190	97.2	65.8	82.0	86.7	38.8	25.6	MEAN
MAX	30.5	20.8	16.7	23.8	482	460	141	85.1	139	106	56.8	30.0	MAX
MIN	21.0	16.8	14.0	14.2	25.1	72.9	76.6	44.3	44.6	68.0	30.5	22.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 70.4
MAXIMUM DAILY, 482E ON MAY 29
MINIMUM DAILY, 14.0B ON MAR 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 13 42 N
LONG 061 19 21 W
DRAINAGE AREA, 4 540 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	67 400	JUL	260 000
FEB	45 000	AUG	176 000
MAR	40 600	SEP	212 000
APR	52 200	OCT	232 000
MAY	472 000	NOV	100 000
JUN	492 000	DEC	68 500

TOTAL DISCHARGE, 2 220 000 dam³

LITTLE SALMONIER RIVER NEAR NORTH HARBOUR - STATION NO. 02ZK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.0 B	4.20 B	3.60 B	0.920B	2.57	10.1	2.48	0.518	2.91	2.37	24.5	5.97	1
2	40.5 B	3.15 B	4.10 B	0.780B	2.16	6.04	2.11	0.482	2.15	13.1	14.8	4.94	2
3	23.6	2.50 B	4.80 B	1.06	2.57	3.88	1.69	0.514	1.71	19.9	7.87	7.70	3
4	13.6	2.00 B	54.2	1.45	4.46	3.11	1.64	0.554	1.64	14.1	5.41	5.86	4
5	8.12	1.65 B	43.6	12.4	3.53	2.90	1.67	0.556	1.46	8.49	5.36	4.91	5
6	5.87	1.38 B	17.4	34.1	2.64	11.8	1.55	0.674	1.32	7.61	4.70	5.70	6
7	3.80B	1.18 B	7.15	18.0	3.49	12.2	1.30	0.789	1.10	6.26	3.82	6.08	7
8	2.20B	1.01 B	3.44	12.1	4.62	26.1	1.17	0.771	1.08	4.59	3.83	6.44	8
9	2.50B	0.880B	2.48	7.00	6.08	28.1	1.35	0.744	1.14	3.34	3.05	4.83	9
10	4.00B	20.0 B	1.70 B	4.82	7.04	15.7	1.74	0.737	1.20	4.77	2.78	21.5	10
11	6.00B	51.8 B	1.30 B	3.96	5.57	8.61	2.42	0.706	2.74	6.80	4.37	18.9	11
12	9.00B	39.1	1.10 B	10.9	4.76	5.24	2.20	0.654	5.49	5.58	17.7	9.52	12
13	10.9	17.4	0.940B	11.3	4.31	3.94	1.67	0.642	3.64	4.05	12.5	3.77	13
14	8.59	7.48	0.820B	7.05	3.97	3.52	1.36	0.630	2.60	3.26	7.74	6.02	14
15	6.05	3.70	0.725B	4.44	2.55	2.54	1.16	4.48	1.92	25.2	5.71	5.18	15
16	4.82	2.38 B	0.630B	3.84	2.35	2.25	0.933	5.12	1.55	21.5	4.73	4.02	16
17	4.31	1.70 B	0.540B	15.5	1.98	3.68	0.874	3.06	1.41	11.9	4.61	7.55	17
18	5.23	1.35 B	1.10 B	16.1	1.62	6.58	0.896	2.10	1.46	6.46	3.84	18.5	18
19	10.4	1.14 B	2.00 B	9.24	1.57	5.36	0.883	1.62	1.65	4.28	3.72	15.1	19
20	6.98	0.980B	4.00 B	5.39	5.91	6.02	0.899	1.48	1.55	10.2	6.89	17.4	20
21	4.76	0.840B	5.34	3.77	9.86	14.2	0.913	1.35	1.53	7.85	6.79	10.2	21
22	3.50B	0.720B	19.0	3.04	7.25	18.8	0.948	1.19	2.07	5.11	4.89	7.32	22
23	2.50B	0.640B	9.84	7.50	5.17	16.6	0.916	1.11	1.82	3.92	3.67	7.04	23
24	2.20B	14.0 B	7.15	25.6	4.00	9.25	0.984	0.862	1.57	2.87	5.44	10.3	24
25	1.80B	23.0 B	5.67	19.0	2.98	7.69	1.21	0.661	1.84	2.56	8.29	21.6	25
26	6.80B	14.3	3.74	10.5	2.57	7.19	1.23	0.583	15.1	3.32	7.93	14.3	26
27	22.5	7.28	2.77	5.95	2.19	5.07	1.13	0.552	13.0	9.15	8.67	6.89	27
28	24.8	4.53	2.17	4.83	1.79	3.70	0.930	0.526	7.06	16.5	4.80	2.88	28
29	13.8		1.62	4.51	1.54	4.04	0.790	1.65	4.52	11.0	3.65	2.30B	29
30	3.50B		1.28 B	3.30	1.49	3.16	0.719	3.77	3.17	12.7	3.78	1.80B	30
31	2.65B		1.05 B		12.1		0.564	3.41		33.1		1.40B	31
TOTAL	291.26	230.290	215.255	268.350	123.69	257.56	40.329	42.495	91.40	291.84	205.84	276.92	TOTAL
MEAN	9.40	8.22	6.94	8.95	3.99	8.59	1.30	1.37	3.05	9.41	6.86	8.93	MEAN
MAX	40.5	51.8	54.2	34.1	12.1	28.1	2.48	5.12	15.1	33.1	24.5	21.6	MAX
MIN	1.88	0.640	0.540	0.780	1.49	2.25	0.564	0.482	1.08	2.37	2.78	1.40	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.40
MAXIMUM DAILY, 54.2 ON MAR 04
MINIMUM DAILY, 0.482 ON AUG 02
MAXIMUM INSTANTANEOUS
83.2E AT 16:57 NST ON MAR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 07 15 N
LONG 053 44 00 W
DRAINAGE AREA, 104 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 200	JUL	3 480
FEB	19 900	AUG	3 670
MAR	18 600	SEP	7 900
APR	23 200	OCT	25 200
MAY	10 700	NOV	17 800
JUN	22 300	DEC	23 900

TOTAL DISCHARGE, 202 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 64.6 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

LLOYDS RIVER BELOW KING GEORGE IV LAKE - STATION NO. 02YN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.90B	16.5 B	3.20B	7.54	43.6	58.3	9.94	11.0	3.77	11.8	28.4	32.8
2	6.75B	14.1 B	3.10B	7.41	65.6	49.4	8.97	15.2	3.58	13.9	26.1	28.6
3	7.20B	12.5 B	3.00B	7.05	110	44.1	8.28	28.6	3.37	16.6	23.0	23.9
4	7.02B	11.0 B	2.92B	7.46	123	41.6	7.44	37.4	3.33	17.2	20.8	19.8
5	6.90B	9.80B	2.82B	15.6	107	38.8	6.79	36.7	3.41	17.3	20.6	16.8
6	6.79B	8.85B	2.75B	44.9	88.6	35.0	6.01	31.6	2.96	17.4	21.3	18.0
7	6.58B	8.00B	2.68B	72.2	71.1	30.4	5.42	25.5	2.94	17.1	20.4	21.6
8	6.39B	7.30B	2.62B	84.8	55.3	25.9	5.04	21.2	2.85	16.1	18.9	21.9
9	6.20B	6.90B	2.56B	85.1	45.4	22.7	4.91	17.7	2.93	15.7	17.5	70.2
10	6.05B	6.70B	2.50B	73.9	43.4	20.4	4.65	14.8	2.89	20.1	16.0	183
11	5.95B	6.60B	2.42B	61.6	51.5	18.1	4.60	12.7	2.98	24.5	15.9	146
12	5.80B	6.50B	2.38B	52.8	74.9	16.0	4.30	11.0	3.01	23.9	23.9	98.0
13	5.65B	6.30B	2.32B	51.7	100	14.3	3.87	10.2	2.99	22.1	27.7	65.3
14	5.57B	5.95B	2.29B	49.2	101	12.7	3.67	9.49	2.90	21.0	26.0	46.6
15	5.42B	5.65B	2.25B	43.6	95.7	11.8	3.29	8.89	2.87	19.6	23.4	36.6
16	5.30B	5.40B	2.20B	39.4	94.9	10.9	3.19	8.26	2.82	18.0	20.5	28.6
17	5.20B	5.10B	2.17B	45.4	86.1	11.8	3.72	7.81	2.90	16.0	18.3	27.4
18	5.12B	4.90B	4.30B	57.3	82.3	13.7	4.20	7.38	3.59	14.1	17.5	29.1
19	5.62B	4.65B	8.00B	63.9	73.2	13.7	4.53	6.90	3.93	15.1	24.0	38.6
20	5.50B	4.50B	11.8 B	58.9	65.0	13.2	5.45	6.80	4.48	36.4	45.5	63.4
21	5.38B	4.30B	10.8 B	50.8	64.1	15.5	5.92	6.68	6.46	47.5	56.9	60.2
22	5.25B	4.05B	9.65B	43.2	69.4	16.1	5.96	6.28	8.90	43.2	52.2	48.2
23	5.19B	3.95B	9.10B	39.5	71.1	15.3	5.89	5.84	10.8	35.4	43.9	38.9
24	4.95B	3.80B	10.7 B	44.4	66.2	14.0	10.6	5.15	14.9	28.8	40.6	40.2
25	4.80B	3.65B	10.1 B	44.7	60.0	13.0	22.1	5.01	19.9	26.4	39.1	60.4
26	6.80B	3.52B	9.51B	41.1	54.2	12.4	25.3	4.60	20.6	26.4	41.9	64.4
27	11.0 B	3.40B	9.30B	40.9	51.9	12.3	23.4	4.36	19.0	25.1	44.5	51.6
28	17.0 B	3.30B	8.90B	45.3	52.4	11.9	20.5	4.20	17.0	23.2	39.4	38.6
29	25.0 B		8.55B	45.8	50.4	11.7	17.6	4.10	14.8	20.5	35.5	29.0
30	23.0 B		8.15B	43.4	52.1	11.0	15.1	4.15	12.8	20.0	36.0	24.1
31	19.5 B		7.90B		60.9		12.8	3.96		25.6		21.2
TOTAL	249.78	187.17	170.94	1 368.86	2 230.6	636.0	273.44	383.46	209.66	696.2	885.7	1 492.1
MEAN	8.06	6.68	5.51	45.6	72.0	21.2	8.82	12.4	6.99	22.5	29.5	48.1
MAX	25.0	16.5	11.8	85.1	123	58.3	25.3	37.4	20.6	47.5	56.9	183
MIN	4.80	3.30	2.17	7.05	43.4	10.9	3.19	3.96	2.82	11.8	15.9	16.8

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.1
MAXIMUM DAILY, 183 ON DEC 10
MINIMUM DAILY, 2.17B ON MAR 17
MAXIMUM INSTANTANEOUS,
192 AT 11:22 NST ON DEC 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 14 32 N
LONG 057 49 41 W
DRAINAGE AREA, 469 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 600	JUL	23 6
FEB	16 200	AUG	33 1
MAR	14 800	SEP	18 1
APR	118 000	OCT	60 2
MAY	193 000	NOV	76 5
JUN	55 000	DEC	129 0

TOTAL DISCHARGE, 759 000 d

MAIN RIVER AT PARADISE POOL - STATION NO. 02YG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.61B	99.3	7.55B	13.8	14.8	130	27.6	6.90	7.89	10.8	35.7	35.4
2	4.50B	82.6	7.05B	12.8	38.0	118	21.9	6.83	7.00	13.8	27.1	28.1
3	4.35B	65.5	6.60B	12.2	120	195	18.2	7.80	6.28	13.1	26.4	22.6
4	4.20B	52.4	6.30B	13.5	145	232	15.3	16.0	5.69	13.0	22.7	19.0
5	4.10B	43.4	5.97B	20.4	104	231	13.4	17.1	5.31	12.9	20.1	17.3
6	3.98B	37.6	5.70B	35.3	71.9	152	11.7	13.1	4.88	11.5	18.5	16.7
7	3.87B	32.2	5.55B	58.2	54.7	113	10.7	10.7	4.49	11.1	16.7	15.9
8	3.75B	28.0	5.20B	66.9	43.5	108	9.51	9.31	4.89	10.1	14.6	14.5
9	3.63B	24.3	5.00B	63.1	34.6	101	8.64	8.30	5.28	8.86	13.8	13.2
10	3.52B	22.6	4.80B	52.3	40.1	84.2	7.98	7.45	4.83	10.7	12.5	14.0
11	3.45B	22.0	4.62B	41.3	56.3	75.1	14.9	6.61	4.62	12.9	10.9	58.7
12	3.35B	21.9	4.50B	35.1	85.0	73.0	16.9	6.13	4.46	20.1	12.9	33.4
13	3.25B	20.8	4.95B	31.7	126	68.2	20.3	10.5	4.24	39.2	12.6	30.9
14	3.17B	19.3	4.75B	28.3	107	69.3	14.2	11.7	4.51	50.8	11.2	23.5
15	3.09B	17.3	4.60B	25.4	76.2	83.5	17.5	9.92	4.64	154	10.8	20.0
16	3.00B	16.1	4.45B	23.6	84.0	80.8	14.1	8.75	4.34	76.9	10.0	16.8
17	2.92B	15.2	4.25B	27.4	99.3	67.5	11.4	7.83	4.24	50.1	9.15	14.8
18	2.86B	14.7	4.55B	34.3	89.6	62.9	10.0	36.0	24.3	36.6	9.05	13.8
19	2.79B	13.8	4.95B	39.1	63.3	141	8.97	151	117	31.7	24.6	13.5
20	2.70B	12.8	5.40B	33.9	47.3	153	8.21	77.7	22.1	72.6	53.9	17.2
21	2.63B	12.0	6.40B	28.7	39.1	92.3	7.37	46.0	27.1	58.5	89.0	24.0
22	2.58B	11.3 B	7.59B	26.2	44.4	64.0	7.36	32.0	28.3	40.2	62.1	18.7
23	2.50B	10.8 B	13.5 B	22.9	40.4	46.6	6.83	23.7	24.5	42.6	43.4	16.2
24	2.46B	10.1 B	20.2 B	20.3	43.9	36.2	6.54	18.6	38.0	33.7	79.6	14.9
25	3.30B	9.55B	31.6	17.8	41.4	36.9	7.03	15.3	34.7	63.4	77.2	24.0
26	6.00B	9.00B	30.6	15.9	38.9	36.6	17.9	12.9	25.3	56.7	66.0	46.5
27	10.5 B	8.55B	27.2	18.5	62.1	29.6	20.4	11.0	20.0	39.3	47.3	32.0
28	21.5 B	8.05B	22.3	19.7	102	24.7	13.2	10.1	16.5	30.0	38.1	25.0
29	42.0 B		18.5	16.8	140	25.2	10.3	9.33	13.8	24.0	33.8	22.0
30	80.0 B		16.4	14.4	168	27.0	8.76	9.29	11.9	20.3	42.4	17.4
31	112		14.9		216		7.66	9.02		31.7		14.0
TOTAL	356.56	741.15	315.93	869.8	2 436.8	2 757.6	394.76	626.87	388.79	1 101.16	952.10	693.4
MEAN	11.5	26.5	10.2	29.0	78.6	91.9	12.7	20.2	13.0	35.5	31.7	22.4
MAX	112	99.3	31.6	66.9	216	232	27.6	151	38.0	154	89.0	58.1
MIN	2.46	8.05	4.25	12.2	14.8	24.7	6.54	6.13	4.24	8.86	9.05	13.5

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 31.9
MAXIMUM DAILY, 232 ON JUN 04
MINIMUM DAILY, 2.46B ON JAN 24
MAXIMUM INSTANTANEOUS,
288 AT 21:19 NST ON JUN 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 46 N
LONG 057 09 24 W
DRAINAGE AREA, 627 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 800	JUL	34
FEB	64 000	AUG	54
MAR	27 300	SEP	33
APR	75 200	OCT	95
MAY	211 000	NOV	82
JUN	238 000	DEC	59

TOTAL DISCHARGE, 1 010 00

NEWFOUNDLAND

MIDDLE ARM BROOK BELOW FLATWATER POND - STATION NO. 02YG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.69B	4.80B	1.08 B	0.900B	11.2	15.4	3.34	1.01	0.823	0.880	9.61	13.1	1
2	1.61B	4.25B	1.04 B	0.880B	13.9	15.9	2.99	0.964	0.797	0.897	11.8	11.9	2
3	2.10B	3.90B	1.02 B	1.30 B	26.7	15.8	2.83	0.865	0.722	0.983	12.9	10.9	3
4	2.60B	3.55B	1.01 B	2.40 B	41.6	14.3	2.60	0.801	0.637	0.970	13.4	9.44	4
5	2.55B	3.20B	0.990B	3.38	44.3E	12.9	2.45	0.826	0.643	0.932	12.9	8.59	5
6	2.45B	2.98B	0.959B	4.90	39.4	11.6	2.20	0.837	0.610	0.952	12.2	7.93	6
7	2.40B	2.80B	0.930B	8.22	34.2	9.89	2.03	0.767	0.594	0.964	11.2	6.76	7
8	2.32B	2.60B	0.815B	12.9	29.2	8.87	1.81	0.724	0.575	0.962	10.1	6.19	8
9	2.28B	2.41B	0.890B	12.7	24.6	7.93	1.62	0.691	0.576	0.986	8.97	6.93	9
10	2.18B	2.29B	0.860B	16.9	22.2	6.94	1.56	0.616	0.501	1.37	8.14	10.0	10
11	2.14B	2.11B	0.850B	15.8	20.1	5.83	1.76	0.549	0.507	1.47	7.53	12.9	11
12	2.10B	1.98B	0.830B	15.0	19.8	5.17	1.69	0.534	0.496	1.56	7.18	14.4	12
13	2.03B	1.88B	0.820B	13.8	20.3	4.74	1.76	0.527	0.476	1.89	6.57	13.9	13
14	1.97B	1.78B	0.810B	12.7	20.5	4.18	1.82	0.548	0.440	2.29	6.29	13.0	14
15	1.91B	1.71B	0.790B	11.9	20.6	3.60	1.80	0.505	0.430	3.64	6.01	11.4	15
16	1.87B	1.65B	0.775B	11.4	19.5	3.13	1.78	0.454	0.405	4.30	5.87	10.3	16
17	1.81B	1.58B	0.760B	11.8	18.0	2.75	1.77	0.395	0.369	4.77	5.43	9.44	17
18	1.78B	1.51B	0.860B	13.5	16.2	2.49	1.67	0.481	0.536	4.83	5.10	8.66	18
19	1.75B	1.47B	0.960B	16.6	14.7	2.71	1.51	0.814	0.518	5.19	5.19	7.96	19
20	1.71B	1.41B	1.12 B	19.3	13.2	3.09	1.51	0.850	0.514	6.12	6.35	7.79	20
21	1.68B	1.38B	1.09 B	20.0	12.8	3.48	1.38	0.885	0.647	6.22	8.45	7.80	21
22	1.63B	1.34B	1.08 B	20.1	15.0	3.67	1.34	0.880	0.692	6.14	10.8	7.52	22
23	1.60B	1.29B	1.05 B	19.8	19.0	3.60	1.27	0.934	0.623	6.00	12.7	7.20	23
24	1.58B	1.26B	1.03 B	19.1	21.0	3.66	1.25	0.966	0.769	5.75	15.9	7.02	24
25	1.53B	1.21B	1.00 B	17.3	21.1	3.62	1.28	0.908	0.798	5.80	18.5	7.02	25
26	1.50B	1.18B	0.985B	15.2	19.4	3.65	1.30	0.892	0.816	5.64	19.8	6.58	26
27	2.25B	1.15B	0.970B	13.9	18.0	3.57	1.26	0.904	0.812	5.70	19.5	6.40B	27
28	3.00B	1.12B	0.945B	13.1	16.4	3.47	1.18	0.862	0.828	5.56	17.7	5.65B	28
29	5.00B		0.935B	12.4	15.0	3.32	1.17	0.892	0.836	5.71	16.0	5.29	29
30	6.00B		0.925B	11.4	14.0	3.17	1.07	0.854	0.841	5.41	14.7	4.99	30
31	5.40B		0.915B		14.5		0.985	0.866		7.02		4.74	31
TOTAL	72.42	59.79	29.094	371.580	656.7	192.43	53.985	23.601	18.831	110.906	326.79	271.40	TOTAL
MEAN	2.34	2.14	0.939	12.4	21.2	6.41	1.74	0.761	0.628	3.58	10.9	8.75	MEAN
MAX	6.00	4.80	1.12	20.1	44.3	15.9	3.34	1.01	0.841	7.02	19.8	14.4	MAX
MIN	1.50	1.12	0.760	0.880	11.2	2.49	0.985	0.395	0.369	0.880	5.10	4.74	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.99
MAXIMUM DAILY, 44.3E ON MAY 05
MINIMUM DAILY, 0.369 ON SEP 17
MAXIMUM INSTANTANEOUS,
45.4E AT 02:23 NST ON MAY 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 22 N
LONG 056 20 33 W
DRAINAGE AREA, 224 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

REMARKS - THE E FOR DISCHARGE ABOVE 43.2 IS DUE TO CURVE EXTENSION

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	6 260	JUL	4 660
FEB	5 170	AUG	2 040
MAR	2 510	SEP	1 630
APR	32 100	OCT	9 580
MAY	56 700	NOV	28 200
JUN	16 600	DEC	23 400

TOTAL DISCHARGE, 189 000 dam³

MIDDLE BROOK NEAR GAMBO - STATION NO. 02YR001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.95B	3.95B	1.87B	5.64	19.2	12.8	7.08	3.49	0.876	0.663	5.71	9.09	1
2	3.30B	3.65B	1.81B	5.42	18.7	11.6	6.65	3.25	0.799	0.782	6.13	8.90	2
3	3.90B	3.40B	1.74B	5.34	18.8	10.6	6.00	3.07	0.785	0.851	6.30	8.69	3
4	3.70B	3.18B	1.90B	5.80	18.6	9.84	5.46	2.90	0.767	0.857	6.48	8.14	4
5	3.40B	2.99B	2.60B	7.66	17.6	9.40	5.17	2.77	0.724	0.853	7.11	7.76	5
6	3.25B	2.80B	3.95B	12.6	16.6	8.91	4.80	2.54	0.688	0.931	7.08	7.57	6
7	3.10B	2.63B	3.65B	19.3	16.5	8.13	4.17	2.38	0.648	0.953	6.87	7.29	7
8	2.95B	2.47B	3.39B	28.6	16.0	7.97	4.10	2.25	0.675	1.05	6.98	6.98	8
9	2.85B	2.33B	3.20B	31.9	15.8	8.08	3.79	2.06	0.638	1.08	6.71	6.76	9
10	2.74B	2.20B	2.98B	29.8	15.7	7.70	3.51	1.93	0.604	1.86	6.58	8.96	10
11	3.00B	3.00B	2.80B	26.9	15.1	7.48	3.40	1.84	0.746	2.32	6.33	10.2	11
12	2.90B	4.80B	2.63B	26.0	15.1	7.15	3.14	1.79	0.766	2.54	6.42	9.73	12
13	2.75B	4.35B	2.48B	25.8	14.4	6.63	3.14	1.74	0.721	2.90	6.35	8.02	13
14	2.65B	4.05B	2.33B	24.9	13.7	6.19	2.93	1.65	0.681	3.22	6.10	11.1	14
15	2.55B	3.80B	2.22B	22.9	13.2	5.92	2.82	1.78	0.655	3.66	5.89	9.23	15
16	2.46B	3.57B	2.12B	21.0	12.3	5.91	2.57	1.82	0.639	3.85	5.69	8.00	16
17	2.37B	3.35B	2.00B	20.0	11.5	6.55	2.37	1.68	0.626	3.89	5.35	6.98	17
18	2.29B	3.15B	2.40B	19.4	10.7	6.40	2.24	1.56	0.620	3.72	5.44	7.31	18
19	2.20B	2.99B	4.95B	18.9	10.0	6.37	2.15	1.56	0.578	3.59	5.91	7.43	19
20	2.11B	2.80B	3.30B	17.8	12.5	7.18	2.74	1.54	0.566	3.80	6.99	7.79	20
21	2.03B	2.65B	3.89	16.5	34.3	9.55	2.59	1.43	0.591	3.45	7.40	7.20B	21
22	1.96B	2.51B	4.78	16.1	50.2	10.3	2.62	1.32	0.603	3.14	7.54	6.90B	22
23	1.89B	2.40B	5.23	16.1	46.2	10.5	2.35	1.26	0.611	3.12	7.65	6.60B	23
24	1.82B	2.30B	5.94	19.4	40.0	10.3	2.61	1.16	0.602	2.88	8.06	7.54	24
25	1.76B	2.19B	6.43	20.2	33.9	10.7	3.58	1.08	0.627	2.81	8.35	9.69	25
26	1.70B	2.09B	6.64	20.4	28.1	10.6	4.92	1.07	0.727	2.80	8.40	10.5	26
27	2.45B	2.00B	6.86	20.3	24.0	9.97	4.85	1.01	0.708	3.07	9.16	9.50B	27
28	3.50B	1.92B	6.73	21.7	21.0	9.34	4.50	0.940	0.675	3.18	8.45	8.90B	28
29	5.00B		6.49	21.0	17.9	8.66	4.27	0.985	0.666	3.06	8.56	8.30B	29
30	4.60B		6.22	19.8	15.8	7.77	4.05	0.954	0.674	3.16	8.84	7.90B	30
31	4.30B		5.88		14.7		3.76	0.933		4.30		7.40B	31
TOTAL	88.43	83.52	117.31	567.16	628.1	258.50	118.33	55.742	20.286	78.340	208.83	256.36	TOTAL
MEAN	2.85	2.98	3.78	18.9	20.3	8.62	3.82	1.80	0.676	2.53	6.96	8.27	MEAN
MAX	5.00	4.80	6.86	31.9	50.2	12.8	7.08	3.49	0.876	4.30	9.16	11.1	MAX
MIN	1.70	1.92	1.74	5.34	10.0	5.91	2.15	0.933	0.566	0.663	5.35	6.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.80
MAXIMUM DAILY, 50.2 ON MAY 22
MINIMUM DAILY, 0.566 ON SEP 20
MAXIMUM INSTANTANEOUS,
51.2 AT 04:36 NST ON MAY 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 48 28 N
LONG 054 13 28 W
DRAINAGE AREA, 267 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	7 640	JUL	10 200
FEB	7 220	AUG	4 820
MAR	10 100	SEP	1 750
APR	49 000	OCT	6 770
MAY	54 300	NOV	18 000
JUN	22 300	DEC	22 100

TOTAL DISCHARGE, 214 000 dam³

MINIPI RIVER BELOW MINIPI LAKE - STATION NO. 03OE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	21.7B	15.1B	11.5 B	9.04B	12.0B	184	80.8	49.4	40.8	51.1	28.2B	20.0B	
2	21.4B	14.9B	11.4 B	9.05B	12.3B	192	77.6	47.8	39.4	48.7	27.5B	19.9B	
3	21.0B	14.7B	11.3 B	9.06B	12.7B	202	76.8	48.7	37.6	46.2	27.0B	19.8B	
4	20.8B	14.6B	11.2 B	9.10B	13.0B	205	76.8	49.1	39.2	46.0	26.6B	19.5B	
5	20.4B	14.5B	11.1 B	9.14B	13.4B	209	72.1	49.8	36.9	48.1	26.2B	19.3B	
6	20.1B	14.3B	11.0 B	9.18B	14.1B	210	70.4	49.3	37.1	46.0	26.0B	19.2B	
7	19.9B	14.2B	10.9 B	9.20B	15.2B	211	71.3	48.1	38.7	43.7	25.8B	19.0B	
8	19.7B	14.0B	10.8 B	9.22B	16.6B	210	70.5	47.6	39.5	42.7	25.5B	18.9B	
9	19.3B	13.8B	10.7 B	9.25B	18.0B	208	69.7	47.4	40.1	43.1	25.0B	18.8B	
10	19.1B	13.7B	10.6 B	9.27B	19.8B	205	71.0	46.9	40.0	42.4	24.8B	18.7B	1
11	18.9B	13.6B	10.5 B	9.33B	22.0B	198	69.4	48.8	37.5	42.4	24.5B	18.5B	1
12	18.7B	13.5B	10.4 B	9.36B	24.5B	193	67.4	49.3	38.0	42.1	24.2B	18.3B	1
13	18.5B	13.3B	10.3 B	9.40B	27.0B	187	64.9	47.7	34.6	40.8	23.8B	18.2B	1
14	18.2B	13.2B	10.2 B	9.45B	31.0B	181	64.6	47.7	37.0	41.0	23.7B	18.1B	1
15	18.0B	13.0B	10.1 B	9.55B	37.0B	172	64.4	48.1	42.5	42.0	23.5B	18.0B	1
16	17.8B	12.8B	10.0 B	9.60B	44.9	166	64.9	47.8	45.3	39.7	23.2B	17.9B	1
17	17.6B	12.7B	9.95B	9.70B	51.1	158	64.9	49.0	43.4	37.8	22.9B	17.8B	1
18	17.4B	12.6B	9.85B	9.80B	59.3	151	64.1	48.1	43.7	38.9	22.8B	17.7B	1
19	17.2B	12.5B	9.80B	9.90B	69.4	145	63.9	46.2	46.2	41.7	22.3B	17.6B	1
20	17.0B	12.4B	9.70B	10.0 B	78.6	139	60.7	45.6	48.0	40.3	22.2B	17.5B	2
21	16.8B	12.3B	9.65B	10.2 B	88.9	131	59.6	45.8	48.9	38.0	22.0B	17.4B	2
22	16.6B	12.2B	9.55B	10.3 B	97.6	126	59.6	44.0	48.9	43.4	21.8B	17.3B	2
23	16.4B	12.1B	9.50B	10.4 B	106	119	59.0	41.3	52.0	40.1	21.6B	17.2B	2
24	16.2B	12.0B	9.45B	10.5 B	115	114	57.9	42.9	53.4	39.0B	21.4B	17.0B	2
25	16.1B	11.9B	9.38B	10.6 B	125	108	57.0	44.2	51.3	37.0B	21.2B	16.9B	2
26	15.9B	11.8B	9.31B	10.8 B	134	100	55.0	43.2	51.2	35.0B	21.0B	16.8B	2
27	15.8B	11.7B	9.25B	11.0 B	145	97.9	53.1	44.6	51.8	33.5B	20.8B	16.7B	2
28	15.6B	11.6B	9.18B	11.2 B	156	93.5	52.1	42.2	50.8	32.0B	20.6B	16.5B	2
29	15.5B		9.15B	11.4 B	166	89.8	51.9	42.4	49.3	31.0B	20.3B	16.4B	2
30	15.3B		9.13B	11.5 B	177	85.1	52.9	41.4	49.2	30.0B	20.2B	16.4B	3
31	15.2B		9.10B		179		51.3	40.3		29.5B		16.3B	3
TOTAL	558.1	369.0	313.95	295.50	2 081.4	4 790.3	1 995.6	1 434.7	1 312.3	1 253.2	706.6	557.6	TO
MEAN	18.0	13.2	10.1	9.85	67.1	160	64.4	46.3	43.7	40.4	23.6	18.0	ME
MAX	21.7	15.1	11.5	11.5	179	211	80.8	49.8	53.4	51.1	28.2	20.0	MA
MIN	15.2	11.6	9.10	9.04	12.0	85.1	51.3	40.3	34.6	29.5	20.2	16.3	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 42.9
MAXIMUM DAILY, 211 ON JUN 07
MINIMUM DAILY, 9.04B ON APR 01
MAXIMUM INSTANTANEOUS,
212 AT 10:35 NST ON JUN 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 36 53 N
LONG 061 11 11 W
DRAINAGE AREA, 2 330 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	48 200	JUL	172 000
FEB	31 900	AUG	124 000
MAR	27 100	SEP	113 000
APR	25 500	OCT	108 000
MAY	180 000	NOV	61 100
JUN	414 000	DEC	48 200

TOTAL DISCHARGE, 1 350 000 dam³

MOBILE RIVER AT MOBILE FIRST POND - STATION NO. 02ZM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	6.00	6.09	5.04	5.30	6.82	10.4	0	0	0	0	11.0	6.85	
2	12.0	5.92	4.84	6.57	6.40	10.5	0	0	0	0	9.17	7.73	
3	10.8	5.18	7.36	6.65	7.22	10.4	0	0	0	0	8.38	11.3	
4	7.28	5.55	11.9	5.64	8.07	10.4	0	0	0	0	7.84	4.39	
5	6.74	7.08	11.2	4.70	10.4	7.67	0	0	0	0	6.85	5.97	
6	4.87	6.57	10.6	10.5	10.7	9.83	0	0	0	0	5.18	7.53	
7	4.81	4.19	3.65	6.31	10.7	9.71	0	0	0	0	10.7	8.24	
8	5.75	4.62	0	6.97	10.6	11.0	0	0	0	0	5.97	9.09	
9	5.58	4.56	0	6.51	10.6	11.5	0	0	0	0	8.18	7.93	
10	5.13	5.24	0	6.68	10.6	10.8	0	0	0	0	4.45	9.71	1
11	6.85	9.77	0	5.47	10.6	10.6	0	0	0	0	3.06	11.8	1
12	6.71	11.2	0	7.31	10.6	10.5	0	0	0	0	12.7	7.62	1
13	8.04	10.7	0	6.94	10.5	10.4	0	0	0	0	9.66	4.42	1
14	5.64	6.74	0	4.96	8.16	11.0	0	0	0	0	10.6	7.42	1
15	5.69	6.85	3.14	6.99	10.4	10.9	0	0	0	0	3.34	6.77	1
16	6.09	6.29	7.84	5.58	10.4	8.83	0	0	0	0	11.8	6.97	1
17	5.07	4.59	5.75	7.45	10.4	6.03	0	0	0	0	6.82	9.32	1
18	5.32	7.82	4.70	10.4	10.6	0	0	0	0	0	7.87	12.8	1
19	6.23	6.82	2.11	9.95	10.6	0	0	0	0	0	12.9	10.3	1
20	6.71	2.57	6.14	5.32	11.5	0	0	0	0	0	6.65	8.13	2
21	6.03	4.87	5.69	4.62	12.2	0	0	0	0	0	4.45	8.13	2
22	6.31	3.28	9.60	5.55	12.2	0	0	0	0	0.042	8.52	8.04	2
23	5.52	3.74	5.52	6.74	12.3	0	0	0	0	4.59	9.06	8.38	2
24	5.97	7.62	7.31	10.6	12.2	0	0	0	0	10.0	7.36	10.1	2
25	6.37	11.2	5.58	6.60	11.7	0	0	0	0	10.9	6.97	9.57	2
26	6.43	9.68	3.94	6.82	10.6	0	0	0	0	7.65	6.57	9.26	2
27	8.35	8.24	5.89	5.13	10.8	0	0	0	0	13.2	4.84	7.70	2
28	10.3	4.22	7.42	5.49	10.8	0	0	0	0	12.7	8.33	3.45	2
29	6.31		6.48	5.58	10.8	0	0	0	0	11.8	4.19	3.17	2
30	5.24		6.40	5.24	11.6	0	0	0	0	6.09	7.39	6.80	3
31	5.24		6.94		11.4		0	0		9.09		7.96	3
TOTAL	203.38	181.20	155.04	198.47	322.47	170.47	0	0	0	86.062	230.80	246.85	TO
MEAN	6.56	6.47	5.00	6.62	10.4	5.68	0	0	0	2.78	7.69	7.96	ME
MAX	12.0	11.2	11.9	10.6	12.3	11.5	0	0	0	13.2	12.9	12.8	MA
MIN	4.81	2.57	0	4.62	6.40	0	0	0	0	0	3.06	3.17	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.92
MAXIMUM DAILY, 13.2 ON OCT 27
MINIMUM DAILY, 0 ON MAR 08

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 14 56 N
LONG 052 53 20 W
DRAINAGE AREA, 112 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 600	JUL	0
FEB	15 700	AUG	0
MAR	13 400	SEP	0
APR	17 100	OCT	7 440
MAY	27 900	NOV	19 900
JUN	14 700	DEC	21 300

TOTAL DISCHARGE, 155 000 dam³

NEWFOUNDLAND

NASKAUPI RIVER BELOW NASKAUPI LAKE - STATION NO. 03PB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	37.5B	24.5B	18.7B	14.6B	12.5B	343	158	111	44.6	109	84.3	45.0B	1
2	36.9B	24.1B	18.4B	14.5B	12.6B	353	154	108	45.8	109	78.9	44.2B	2
3	36.1B	23.9B	18.3B	14.4B	12.7B	358	149	103	45.8	109	73.4	43.2B	3
4	35.7B	23.7B	18.2B	14.3B	12.8B	368	148	98.4	41.8	106	68.3	42.5B	4
5	35.0B	23.3B	18.0B	14.2B	12.9B	378	146	94.9	42.6	104	65.9	41.5B	5
6	34.5B	23.1B	17.9B	14.1B	13.0B	385	145	90.9	40.7	105	65.8	40.5B	6
7	34.0B	22.9B	17.7B	14.0B	13.3B	383	142	90.2	42.1	104	65.0	39.7B	7
8	33.5B	22.7B	17.5B	13.9B	13.8B	379	139	86.8	43.0	104	63.9	39.0B	8
9	33.0B	22.5B	17.3B	13.8B	14.1B	370	134	84.3	41.4	102	64.2	38.5B	9
10	32.5B	22.2B	17.2B	13.7B	14.6B	356	134	82.5	42.2	99.6	64.5	37.5B	10
11	32.0B	22.0B	17.1B	13.6B	15.1B	345	133	79.5	44.2	95.4	63.5	36.8B	11
12	31.5B	21.8B	17.0B	13.5B	15.8B	329	129	76.8	43.3	95.5	65.4	36.1B	12
13	31.0B	21.6B	16.9B	13.4B	16.8B	309	126	73.7	46.0	95.3	65.2	35.5B	13
14	30.7B	21.4B	16.8B	13.3B	18.5B	300	124	70.9	44.6	92.2	65.0	35.0B	14
15	30.2B	21.2B	16.7B	13.2B	20.1B	296	117	68.2	50.1	91.7	64.7	34.5B	15
16	29.9B	21.0B	16.5B	13.1B	26.0B	287	111	66.7	55.9	93.7	64.3	34.0B	16
17	29.5B	20.8B	16.3B	13.1B	33.0B	281	106	63.5	61.1	96.2	66.3	33.5B	17
18	29.0B	20.6B	16.2B	13.0B	42.0B	274	112	62.4	69.2	93.7	65.3	33.2B	18
19	28.7B	20.4B	16.1B	13.0B	55.0B	262	112	62.9	81.2	92.5	60.3	32.8B	19
20	28.2B	20.2B	16.0B	12.9B	72.0B	250	118	61.1	90.9	99.6	60.0	32.4B	20
21	27.9B	20.0B	15.9B	12.8B	95.0B	240	122	58.2	99.4	101	59.9	32.0B	21
22	27.5B	19.9B	15.8B	12.7B	115 B	226	129	58.3	105	98.8	58.6	31.8B	22
23	27.2B	19.8B	15.7B	12.6B	132	213	134	56.4	106	101	57.3	31.4B	23
24	27.0B	19.7B	15.5B	12.5B	149	199	136	53.4	110	97.5	55.8B	31.1B	24
25	26.7B	19.4B	15.4B	12.4B	168	195	136	51.8	112	95.5	54.0B	30.8B	25
26	26.3B	19.2B	15.2B	12.3B	188	189	135	51.1	114	95.0	52.0B	30.5B	26
27	26.0B	19.0B	15.1B	12.2B	209	180	131	48.4	114	92.9	50.5B	30.0B	27
28	25.7B	18.9B	15.0B	12.1B	233	175	124	49.8	115	89.8	49.0B	29.9B	28
29	25.2B		14.9B	12.3B	267	170	119	48.0	115	88.8	47.5B	29.5B	29
30	25.0B		14.8B	12.4B	298	164	114	47.8	113	86.8	46.5B	29.4B	30
31	24.6B		14.7B		327		113	47.2		86.2		29.1B	31
TOTAL	938.7	599.8	512.7	397.9	2 627.6	8 557	4 031	2 206.1	2 119.9	3 030.7	1 865.3	1 090.9	TOTAL
MEAN	30.3	21.4	16.5	13.3	84.8	285	130	71.2	70.7	97.8	62.2	35.2	MEAN
MAX	37.5	24.5	18.7	14.6	327	385	158	111	115	109	84.3	45.0	MAX
MIN	24.6	18.9	14.7	12.1	12.5	164	109	47.2	40.7	86.2	46.5	29.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 76.7
MAXIMUM DAILY, 385 ON JUN 06
MINIMUM DAILY, 12.1B ON APR 28
MAXIMUM INSTANTANEOUS,
385 AT 08:47 NST ON JUN 06

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 07 54 N
LONG 061 25 45 W
DRAINAGE AREA, 4 480 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	81 100	JUL	348 000
FEB	51 800	AUG	191 000
MAR	44 300	SEP	183 000
APR	34 400	OCT	262 000
MAY	227 000	NOV	161 000
JUN	739 000	DEC	94 300

TOTAL DISCHARGE, 2 420 000 dam³

NORTH BROOK NEAR RED BAY - STATION NO. 02XD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	5.01	1.58	0.223	0.766	0.839	---	---	1
2	---	---	---	---	---	5.75	1.41	0.370	0.692	1.92	---	---	2
3	---	---	---	---	---	5.64	1.15	0.490	0.608	1.55	---	---	3
4	---	---	---	---	---	5.41	0.982	1.10	0.530	1.22	---	---	4
5	---	---	---	---	---	5.52	0.877	1.37	0.486	1.00	---	---	5
6	---	---	---	---	---	4.44	0.827	1.08	0.467	0.931	---	---	6
7	---	---	---	---	---	3.95	0.726	0.856	0.441	1.00	---	---	7
8	---	---	---	---	---	3.61	0.636	0.732	0.655	0.910	---	---	8
9	---	---	---	---	---	3.75	0.574	0.766	0.712	0.786	---	---	9
10	---	---	---	---	---	3.20	0.590	0.808	0.684	0.712	---	---	10
11	---	---	---	---	---	2.83	1.20	0.736	0.604	0.629	---	---	11
12	---	---	---	---	---	2.73	1.23	5.00	0.569	0.634	---	---	12
13	---	---	---	---	---	2.68	0.977	4.40	0.657	0.645	---	---	13
14	---	---	---	---	---	2.47	0.794	2.97	0.700	1.04	---	---	14
15	---	---	---	---	---	3.14	0.669	6.10	0.659	2.50	---	---	15
16	---	---	---	---	---	2.47	0.580	4.94	0.642	2.15	---	---	16
17	---	---	---	---	---	2.14	0.515	3.12	0.616	1.75	---	---	17
18	---	---	---	---	---	3.84	0.492	2.47	0.753	1.38	---	---	18
19	---	---	---	---	---	4.50	0.467	2.73	0.865	1.25	---	---	19
20	---	---	---	---	---	2.81	0.427	1.71	0.797	1.75	---	---	20
21	---	---	---	---	---	2.09	0.410	1.34	0.915	1.55	---	---	21
22	---	---	---	---	---	1.75	0.402	1.08	1.24	1.24	---	---	22
23	---	---	---	---	---	1.49	0.408	0.899	1.05	1.06	---	---	23
24	---	---	---	---	---	1.33	0.368	0.778	2.99	0.894	---	---	24
25	---	---	---	---	---	3.27	0.340	0.671	2.81	---	---	---	25
26	---	---	---	---	---	3.20	0.361	0.599	1.94	---	---	---	26
27	---	---	---	---	---	2.48	0.327	0.533	1.51	---	---	---	27
28	---	---	---	---	---	2.30	0.294	0.606	1.25	---	---	---	28
29	---	---	---	---	---	1.84	0.281	0.798	1.07	---	---	---	29
30	---		---	---	---	1.49	0.263	0.879	0.912	---	---	---	30
31	---		---		11.3A		0.244	0.840		---	---	---	31
TOTAL	---	---	---	---	---	97.13	20.401	50.494	28.590	---	---	---	TOTAL
MEAN	---	---	---	---	---	3.24	0.658	1.63	0.953	---	---	---	MEAN
MAX	---	---	---	---	---	5.75	1.58	6.10	2.99	---	---	---	MAX
MIN	---	---	---	---	---	1.33	0.244	0.223	0.441	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 11.3A ON MAY 31
MINIMUM DAILY, 0.223 ON AUG 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 45 27 N
LONG 056 27 05 W
DRAINAGE AREA, 35.5 km²
A - MANUAL GAUGE

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 760
FEB	---	AUG	4 360
MAR	---	SEP	2 470
APR	---	OCT	---
MAY	---	NOV	---
JUN	8 390	DEC	---

REMARKS - PUBLISHED UNDER THE NAME "NORTHERN BROOK NEAR RED BAY" TO 1985.

NEWFOUNDLAND

NORTHEAST BROOK NEAR RODDICKTON - STATION NO. 02YD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.03 B	0.790B	0.430B	0.580B	5.61	30.7	5.32	1.22	1.14	3.07	15.4	14.1
2	1.00 B	0.760B	0.428B	0.650B	8.15	30.1	4.81	1.27	1.04	2.92	17.1	12.2
3	0.950B	0.720B	0.425B	0.740B	16.4	30.1	4.34	1.27	0.991	2.65	16.5	10.4
4	0.910B	0.690B	0.421B	0.900B	25.6	29.1	3.99	1.35	0.893	2.40	14.8	9.14
5	0.880B	0.660B	0.415B	1.10 B	27.7	27.6	3.62	1.36	0.816	2.18	13.4	7.64
6	0.850B	0.628B	0.413B	1.50 B	25.7	25.3	3.26	1.43	0.777	1.95	11.5	6.92
7	0.825B	0.610B	0.409B	2.30 B	23.2	22.2	2.95	1.62	0.708	1.75	10.0	6.22
8	0.800B	0.590B	0.408B	3.50 B	21.4	18.9	2.71	1.71	0.744	1.58	8.67	5.66
9	0.775B	0.570B	0.407B	4.80 B	19.5	16.1	2.40	1.72	0.671	1.47	7.69	5.26
10	0.750B	0.555B	0.406B	5.90 B	18.2	14.0	2.35	1.61	0.618	1.60	7.08	9.06
11	0.725B	0.540B	0.405B	6.00 B	18.0	12.1	3.01	1.56	0.608	1.53	6.74	9.68
12	0.710B	0.525B	0.404B	5.80 B	18.0	10.3	3.53	1.46	0.574	1.46	7.43	9.89
13	0.690B	0.515B	0.403B	5.40 B	20.1	8.87	3.61	1.48	0.594	1.49	7.53	9.50B
14	0.670B	0.505B	0.402B	5.00 B	21.8	7.63	3.65	1.43	0.594	1.65	7.28	8.25B
15	0.650B	0.495B	0.401B	4.70 B	21.8	6.90	3.71	1.53	0.554	3.00	6.95	7.50B
16	0.640B	0.485B	0.400B	4.45 B	20.0	6.22	3.75	1.45	0.543	3.83	6.47	6.75B
17	0.625B	0.480B	0.430B	4.50 B	18.4	5.71	3.46	1.44	0.550	4.57	6.08	6.25B
18	0.610B	0.475B	0.480B	5.20 B	17.6	5.48	3.22	1.47	0.694	5.02	5.85	5.80B
19	0.595B	0.465B	0.540B	5.80 B	17.1	5.96	2.99	1.68	0.699	5.18	7.12	6.20B
20	0.585B	0.460B	0.530B	6.60 B	16.6	6.78	2.85	1.82	0.759	5.34	10.3	6.60B
21	0.570B	0.458B	0.510B	7.50 B	16.1	7.19	2.71	1.81	0.964	5.25	12.2	7.20B
22	0.560B	0.455B	0.500B	7.80 B	15.0	7.37	2.53	1.76	1.43	5.02	13.7	7.75B
23	0.550B	0.450B	0.530B	7.00 B	13.4	7.03	2.35	1.78	2.29	4.84	13.8	7.30B
24	0.545B	0.448B	0.545B	6.40 B	11.8	6.51	2.07	1.72	3.39	4.59	15.3	6.90B
25	0.530B	0.444B	0.540B	6.00 B	10.4	6.72	1.98	1.56	4.00	6.00	17.7	7.40B
26	0.525B	0.439B	0.530B	5.60 B	9.72	6.68	1.98	1.53	4.19	8.65	20.6	7.80B
27	0.700B	0.438B	0.525B	5.30 B	9.89	6.38	1.80	1.42	4.18	10.5	22.5	8.50B
28	1.00 B	0.435B	0.519B	5.00 B	11.6	6.12	1.62	1.36	3.91	10.8	21.0	7.25B
29	0.950B		0.510B	4.85 B	13.8	6.12	1.52	1.38	3.64	9.90	18.8	6.00B
30	0.900B		0.507B	4.87 B	17.6	5.79	1.40	1.33	3.35	8.97	16.4	5.00B
31	0.840B		0.530B		26.2		1.30	1.22		10.4		4.40B
TOTAL	22.940	15.085	14.303	135.740	536.37	385.96	90.69	46.75	45.911	139.64	365.89	239.52
MEAN	0.740	0.539	0.461	4.52	17.3	12.9	2.93	1.51	1.53	4.50	12.2	7.73
MAX	1.03	0.790	0.545	7.80	27.7	30.7	5.32	1.82	4.19	10.8	22.5	14.1
MIN	0.525	0.435	0.400	0.580	5.61	5.48	1.30	1.22	0.543	1.46	5.85	4.40

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.59
MAXIMUM DAILY, 30.7 ON JUN 01
MINIMUM DAILY, 0.400B ON MAR 16
MAXIMUM INSTANTANEOUS, 31.2 AT 22:35 NST ON JUN 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 55 44 N
LONG 056 06 44 W
DRAINAGE AREA, 200 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 980	JUL	7 840
FEB	1 300	AUG	4 040
MAR	1 240	SEP	3 970
APR	11 700	OCT	12 100
MAY	46 300	NOV	31 600
JUN	33 300	DEC	20 700

TOTAL DISCHARGE, 176 000 d

NORTHEAST POND RIVER AT NORTHEAST POND - STATION NO. 02ZM006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.077	0.035	0.050	0.012	0.119	0.077	0.060	0.007	0.062	0.066	0.334	0.128
2	0.890	0.029	0.045	0.012	0.098	0.059	0.047	0.007	0.042	0.341	0.207	0.126
3	0.335	0.025	0.047	0.026	0.147	0.049	0.039	0.007	0.031	0.494	0.141	0.326
4	0.147	0.022	1.88	0.092	0.247	0.042	0.044	0.007	0.029	0.334	0.105	0.298
5	0.074	0.021B	0.700A	0.228	0.171	0.039	0.062	0.007	0.028	0.227	0.093	0.172
6	0.057	0.020B	0.230E	0.303	0.118	0.419	0.074	0.007	0.024	0.150	0.085	0.211
7	0.046	0.019B	0.085E	0.210	0.110	0.357	0.055	0.008	0.021	0.104	0.081	0.300
8	0.035	0.018B	0.031A	0.182	0.132	0.310	0.049	0.008	0.021	0.074	0.078	0.197
9	0.031	0.017	0.023	0.138	0.153	0.475	0.056	0.008	0.033	0.058	0.064	0.147
10	0.027	0.026	0.018	0.077	0.346	0.259	0.052	0.007	0.033	0.133	0.067	0.318
11	0.029	1.37	0.014	0.056	0.283	0.164	0.045	0.006	0.035	0.223	0.105	0.333
12	0.033	0.490	0.013	0.249	0.191	0.109	0.038	0.006	0.054	0.147	0.315	0.199
13	0.059	0.181	0.012	0.291	0.142	0.081	0.031	0.006	0.048	0.097	0.249	0.100
14	0.067	0.083	0.011	0.193	0.099	0.064	0.024	0.005	0.037	0.074	0.165	0.080
15	0.052	0.048	0.010	0.078	0.076	0.055	0.021	0.049	0.028	0.653	0.118	0.067
16	0.042	0.033	0.010	0.051	0.069	0.049	0.018	0.125	0.024	0.389	0.123	0.056
17	0.035	0.024	0.010	0.227	0.062	0.279	0.016	0.073	0.021	0.200	0.143	0.136
18	0.034	0.020B	0.013	0.464	0.054	0.314	0.015	0.044	0.033	0.121	0.118	0.356
19	0.059	0.017E	0.138	0.228	0.166	0.181	0.014	0.032	0.058	0.080	0.103	0.253
20	0.064	0.015B	0.126	0.131	2.71	0.290	0.014	0.033	0.136	0.109	0.091	0.248
21	0.045	0.014B	0.140	0.077	1.19	0.346	0.013	0.029	0.110	0.103	0.079	0.162
22	0.034	0.013B	0.527	0.055	0.901	0.297	0.012	0.024	0.078	0.071	0.062	0.108
23	0.027	0.012B	0.167	0.066	0.602	0.475	0.011	0.020	0.054	0.056	0.060	0.090
24	0.023	0.043	0.090	0.270	0.327	0.271	0.011	0.016	0.043	0.048	0.120	0.277
25	0.021	0.283	0.084	0.309	0.238	0.367	0.012	0.012	0.041	0.041	0.116	0.361
26	0.022	0.235	0.055	0.286	0.199	0.373	0.012	0.011	1.77	0.043	0.089	0.214
27	0.774	0.122	0.028	0.225	0.168	0.211	0.011	0.010	0.502	0.227	0.081	0.110
28	0.416	0.064	0.021	0.226	0.131	0.134	0.009	0.008	0.227	0.807	0.063	0.066
29	0.165		0.018	0.194	0.094	0.106	0.008	0.028	0.140	0.339	0.055	0.033
30	0.070		0.014	0.144	0.073	0.079	0.008	0.117	0.093	0.422	0.063	0.033
31	0.047		0.012		0.085		0.007	0.097		0.598		0.047
TOTAL	3.837	3.299	4.622	5.062	9.501	6.321	0.888	0.824	3.856	6.829	3.573	5.75
MEAN	0.124	0.118	0.149	0.169	0.307	0.211	0.029	0.027	0.129	0.220	0.119	0.18
MAX	0.890	1.37	1.88	0.464	2.71	0.475	0.074	0.125	1.77	0.807	0.334	0.52
MIN	0.021	0.012	0.010	0.012	0.054	0.039	0.007	0.005	0.021	0.041	0.055	0.03

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.149
MAXIMUM DAILY, 2.71 ON MAY 20
MINIMUM DAILY, 0.005 ON AUG 14
MAXIMUM INSTANTANEOUS, 3.26 AT 19:15 NST ON MAY 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 38 06 N
LONG 052 50 14 W
DRAINAGE AREA, 3.63 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARG IN CUBIC DECAMETRES

JAN	332	JUL	76.7
FEB	285	AUG	71.2
MAR	399	SEP	333
APR	437	OCT	590
MAY	821	NOV	309
JUN	546	DEC	497

TOTAL DISCHARGE, 4 700

REMARKS - DRAINAGE AREA FROM 1983 TO 1988 PUBLISHED AS 3.90 KM2 SHOULD HAVE BEEN 3.63 KM2

NORTHEAST RIVER NEAR PLACENTIA - STATION NO. 02ZK002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.9	3.00B	3.77	1.30B	3.73	4.73	3.44	0.285	1.85	1.98	11.3	4.25	1
2	32.5	2.55B	3.23	1.26B	3.36	3.48	2.97	0.415	1.36	8.33	8.63	3.99	2
3	12.3	2.26B	5.56	1.50B	4.53	2.94	2.57	0.373	1.17	7.62	7.02	6.00	3
4	9.11	2.03B	39.3 E	1.91	5.07	2.47	2.18	0.330	1.46	6.69	5.81	4.30	4
5	7.58	1.92B	18.6	11.3	3.84	3.70	2.01	0.315	1.25	4.66	5.63	3.12	5
6	5.99	1.68B	12.7	11.6	3.50	12.8	1.80	0.362	1.07	4.62	5.51	6.40	6
7	5.00B	1.55B	9.58	6.13	3.88	7.67	1.62	0.515	0.921	4.09	4.75	6.56	7
8	4.40B	1.43B	7.20	5.63	4.33	22.7	1.82	0.466	1.02	3.62	4.34	4.73	8
9	4.00B	1.36B	5.79	4.73	5.34	17.6	1.67	0.382	1.28	3.14	3.91	3.98	9
10	6.40B	1.30B	4.65	3.78	6.40	11.3	1.56	0.340	1.06	7.07	3.53	10.8	10
11	10.1	31.0 B	3.83	4.29	4.68	8.48	1.55	0.273	2.02	6.42	3.81	8.10	11
12	7.33	18.9	3.22	10.3	3.89	6.77	1.40	0.300	2.69	4.64	6.42	5.59	12
13	9.36	12.4	2.76	8.26	3.63	5.33	1.28	0.464	1.72	3.69	5.61	4.04	13
14	5.55	9.22	2.36	5.75	3.09	4.35	1.21	0.439	1.44	4.62	4.84	4.35	14
15	3.89	7.05	2.14	4.58	2.81	3.70	1.16	2.40	1.25	25.3	4.41	3.15	15
16	3.49	5.87	1.92	4.26	2.64	3.39	1.09	1.98	1.15	11.6	4.53	3.80	16
17	3.20	4.98	1.70	10.4	2.38	7.80	1.02	1.32	1.05	7.86	4.64	11.7	17
18	4.64	4.10	1.80	7.66	2.10	6.43	0.991	1.03	1.08	6.01	4.07	11.8	18
19	10.5	3.25B	3.17	5.67	2.09	4.84	0.881	0.962	1.14	5.14	4.00	11.6	19
20	4.54	2.70B	2.47	4.29	6.72	20.8	0.827	1.09	1.07	6.76	5.42	13.3	20
21	3.10B	2.30B	6.76	3.55	6.63	17.0	0.919	0.940	1.19	5.75	4.92	9.10	21
22	2.55B	2.13B	9.48	3.87	5.06	12.9	0.893	0.730	1.28	4.63	4.22	7.69	22
23	2.10B	3.22	4.78	9.70	4.42	11.3	0.763	0.566	1.18	4.00	3.68	7.70	23
24	1.80B	8.27	3.20B	13.4	4.11	8.31	0.967	0.515	1.24	3.51	3.81	12.8	24
25	1.60B	14.5	2.72B	9.27	3.71	9.62	1.04	0.480	1.23	3.07	3.79	16.1	25
26	3.74	7.05	2.35B	6.73	3.23	8.55	0.945	0.387	9.61	3.38	4.03	11.3	26
27	19.8	4.98	2.09B	5.52	2.86	6.45	0.806	0.376	5.18	7.72	3.87	7.44	27
28	9.30	4.02	1.88B	6.57	2.60	5.37	0.664	0.368	3.30	10.2	3.41	3.86	28
29	5.85		1.72B	5.63	2.32	4.63	0.539	1.27	2.59	6.46	3.28	3.25B	29
30	4.20B		1.58B	4.46	2.97	3.97	0.468	1.60	2.20	9.01	3.48	3.10B	30
31	3.45B		1.42B		7.13		0.365	2.63		14.9		2.90B	31
TOTAL	222.27	165.02	173.73	185.30	123.05	249.38	41.418	23.903	56.051	206.47	146.67	216.80	TOTAL
MEAN	7.17	5.89	5.60	6.18	3.97	8.31	1.34	0.771	1.87	6.66	4.89	6.99	MEAN
MAX	32.5	31.0	39.3	15.4	7.13	22.7	3.44	2.63	9.61	25.3	11.3	16.1	MAX
MIN	1.60	1.30	1.42	1.26	2.09	2.47	0.365	0.273	0.921	1.98	3.28	2.90	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.96
MAXIMUM DAILY, 39.3E ON MAR 04
MINIMUM DAILY, 0.273 ON AUG 11
MAXIMUM INSTANTANEOUS,
71.8E AT 11:00 NST ON FEB 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 16 26 N
LONG 053 50 27 W
DRAINAGE AREA, 89.6 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 200	JUL	3 590
FEB	14 300	AUG	2 070
MAR	15 000	SEP	4 840
APR	16 000	OCT	17 800
MAY	10 600	NOV	12 700
JUN	21 500	DEC	18 700

TOTAL DISCHARGE, 156 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 35.6 IS DUE TO CURVE EXTENSION

NORTHWEST BROOK AT NORTHWEST POND - STATION NO. 02ZN001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.40	1.69	1.31	0.914	2.22	2.94	2.58	0.590	1.41	2.77	8.23	3.31	1
2	18.0 B	1.75	1.11	0.874	1.94	3.00	2.40	0.581	1.28	8.95	5.72	2.61	2
3	11.8 B	1.78	1.16	0.909	2.34	2.59	2.19	0.607	1.17	19.3	4.26	4.56	3
4	7.70E	1.54	13.4	1.08	2.59	2.21	2.00	0.606	1.08	9.81	3.24	3.49	4
5	5.00E	1.33	21.6 E	2.12	2.57	2.02	1.78	0.605	1.02	5.61	2.76	3.61	5
6	3.70E	1.11	6.94	6.94	2.90	5.79	1.66	0.773	0.950	4.29	2.64	3.29	6
7	2.60E	0.914	3.34	6.63	3.99	9.44	1.47	1.79	0.922	3.76	2.43	3.68	7
8	1.97E	0.783	2.03	4.66	4.30	10.4	1.47	2.37	0.923	3.16	2.29	3.72	8
9	1.56E	0.720	1.40	3.63	4.04	17.0	1.33	2.27	0.878	2.76	2.10	3.14	9
10	1.37A	1.40	1.10	2.69	3.52	9.16	1.61	1.94	0.853	2.85	1.99	8.00	10
11	1.41	20.1	0.928	2.38	3.08	5.30	1.73	1.59	3.05	3.18	1.95	13.7	11
12	2.02	19.1	0.828	3.35	2.80	3.82	1.82	1.28	10.3	3.27	3.77	7.74	12
13	4.64	6.56	0.792	4.86	2.66	3.00	1.77	1.51	6.69	2.98	5.83	3.51	13
14	5.10	3.27	0.729	4.31	2.41	2.53	1.54	2.00	4.02	2.66	5.20	4.19	14
15	3.10	1.88	0.642	3.17	2.22	2.30	1.31	3.32	2.74	4.87	4.08	3.83	15
16	2.12	1.44	0.566	2.44	2.09	2.15	1.16	5.55	2.14	9.26	3.44	3.35	16
17	1.65	1.24	0.523	3.33	1.83	3.45	1.16	4.63	1.87	6.31	3.32	3.92	17
18	1.61	1.01	0.543	6.43	1.50	4.44	1.19	3.35	1.80	4.19	3.43	9.02	18
19	4.49	0.868	1.40	5.70	1.70	4.41	1.22	2.49	1.84	3.29	3.77	8.73	19
20	4.54	0.740B	2.06	4.05	2.96	4.75	1.01	2.10	1.89	5.53	4.33	10.9	20
21	3.15	0.665B	2.45	2.94	3.45	6.95	0.938	1.91	2.02	7.23	4.45	7.60	21
22	2.25	0.555B	7.23	5.34	3.83	9.25	0.905	1.63	2.11	5.05	3.91	5.53	22
23	1.69	0.715	5.73	3.50	3.45	7.58	0.873	1.44	2.18	3.64	3.38	5.22	23
24	1.32	1.48	3.51	7.81	2.98	5.36	0.896	1.28	2.07	2.90	3.04	10.3	24
25	1.14	10.1	2.55	8.59	2.56	4.66	0.972	1.16	2.21	2.41	3.08	14.5	25
26	1.13	6.70	2.00	5.35	2.22	4.60	1.01	1.08	20.7 E	2.47	3.28	9.79	26
27	8.08	2.86	1.71	3.89	2.01	3.98	0.901	0.981	10.8	3.88	3.53	5.74	27
28	12.8	1.75	1.43	3.27	1.75	3.36	0.757	0.950	8.50	7.28	3.38	2.26	28
29	5.80		1.27	2.86	1.63	2.85	0.668	1.04	5.04	7.24	2.97	3.70	29
30	2.83		1.09	2.52	1.71	2.45	0.642	1.32	3.60	6.20	2.86	3.09	30
31	1.81		0.974		2.49		0.614	1.45		9.53		2.81	31
TOTAL	128.78	94.050	92.345	113.297	81.87	151.74	41.476	54.193	114.056	166.62	108.66	178.84	TOTAL
MEAN	4.15	3.36	2.98	3.78	2.64	5.06	1.34	1.75	3.80	5.37	3.62	5.77	MEAN
MAX	18.0	20.1	21.6	8.59	4.30	17.0	2.58	4.63	20.7	19.3	8.23	14.5	MAX
MIN	1.13	0.555	0.523	0.874	1.63	2.02	0.614	0.581	0.853	2.41	1.95	2.26	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.63
MAXIMUM DAILY, 21.6E ON MAR 05
MINIMUM DAILY, 0.523 ON MAR 17
MAXIMUM INSTANTANEOUS,
34.5E AT 21:09 NST ON FEB 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 51 08 N
LONG 053 18 11 W
DRAINAGE AREA, 53.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 100	JUL	3 580
FEB	8 130	AUG	4 680
MAR	7 980	SEP	9 850
APR	9 790	OCT	14 400
MAY	7 070	NOV	9 390
JUN	13 100	DEC	15 500

TOTAL DISCHARGE, 115 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 20.6 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

NORTHWEST GANDER RIVER NEAR GANDER LAKE - STATION NO. 02YQ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.5B	75.0B	11.4 B	23.0B	130	27.3	19.5 A	6.84	2.00	10.7	312	64.6	1
2	14.0B	61.0B	10.8 B	20.2B	135	25.0	17.0 E	5.96	1.77	20.2	196	44.5B	2
3	16.5B	52.0B	9.90B	22.9B	194	22.0	15.0 E	5.60	1.63	95.6	124	39.0B	3
4	23.5B	44.5B	9.50B	50.0B	215	19.5 A	13.2 E	5.54	1.63	96.0	87.8	35.0B	4
5	21.2B	39.0B	9.00B	92.0B	159	17.7 E	11.8 E	5.14	1.55	70.5	79.5	32.5B	5
6	19.9B	34.5B	8.60B	200 B	115	16.1 E	10.2 E	4.56	1.65	61.3	79.9	32.0B	6
7	18.8B	31.0B	8.20B	380 B	98.6	14.6 E	9.00E	4.16	1.82	55.8	71.0	29.2B	7
8	17.7B	27.5B	7.90B	803 E	91.8	13.2 E	8.10E	3.68	1.90	48.3	61.2	28.0B	8
9	16.9B	25.5B	7.60B	678 E	98.1	12.0 E	7.30E	3.36	1.87	42.0	52.1	32.4B	9
10	15.9B	31.0B	7.35B	390	142	11.0 E	6.70E	2.92	2.03	73.0	44.9	175	10
11	14.8B	36.0B	7.01B	236	156	10.0 E	6.10E	2.71	1.79	117	40.9	252	11
12	14.0B	39.5B	6.80B	269	139	9.00E	5.60E	2.72	1.82	92.0	45.7	148	12
13	17.2B	35.5B	6.60B	471 E	123	8.00E	5.20E	2.47	1.62	70.4	51.9	60.0B	13
14	16.2B	32.0B	6.40B	369	99.2	7.20E	4.80E	2.35	1.66	56.0	50.4	50.0B	14
15	15.0B	30.0B	6.20B	243	80.5	6.60E	4.50E	2.72	1.60	56.6	46.0	44.0B	15
16	14.0B	27.8B	6.00B	180	69.0	7.50E	4.30E	2.93	1.61	68.4	39.4	41.0B	16
17	13.0B	25.8B	5.80B	175	58.4	10.0 E	4.05E	3.99	1.70	58.9	35.8	45.0B	17
18	12.5B	22.8B	7.50B	204	49.3	15.0 E	3.80E	3.77	1.76	48.1	38.0	50.0B	18
19	12.5B	22.0B	9.80B	207	44.0	12.0 E	3.50E	3.34	1.77	37.8	69.2	72.0B	19
20	14.0B	20.5B	14.0 B	164	40.1	19.5 A	15.0 E	3.52	1.73	50.0	160	126 B	20
21	13.1B	19.1B	19.0 B	128	80.1	92.9	19.2 E	3.95	1.90	73.4	161	93.0B	21
22	12.3B	17.9B	26.0 B	121	127	125	18.0 E	4.03	2.63	60.5	121	68.0B	22
23	11.8B	16.8B	36.0 B	135	105	120	15.0 E	3.71	3.03	47.1	92.3	56.0B	23
24	11.1B	15.8B	50.0 B	244	78.6	84.7	19.0 E	3.29	3.60	37.4	129	52.0B	24
25	10.5B	14.8B	70.0 B	234	60.9	67.3	41.2 A	3.17	4.31	32.4	160	61.0B	25
26	10.0B	13.9B	58.0 B	190	49.4	64.4	38.3	2.81	8.83	29.6	142	126 B	26
27	23.0B	13.1B	47.0 B	210	42.7	48.1	25.3	2.61	14.7	29.9	142	84.0B	27
28	48.0B	12.4B	40.0 B	225	37.1	36.4	17.6	2.42	15.4	35.7	110	66.0B	28
29	150 B		34.0 B	195	32.0	28.6	13.7	2.47	13.9	36.9	89.2	60.0B	29
30	117 B		30.0 B	156	26.7	22.5	11.0	2.39	12.3	38.9	76.5	55.0B	30
31	92.0B		26.5 B		25.7		8.63	2.22		193		52.0B	31
TOTAL	822.3	837.7	602.86	7 015.1	2 898.2	981.10	404.58	111.35	115.51	1 841.4	2 908.7	2 173.2	TOTA
MEAN	26.5	29.9	19.4	234	93.5	32.7	13.1	3.59	3.85	59.4	97.0	70.1	MEAN
MAX	150	75.0	70.0	803	215	125	41.2	6.84	15.4	193	312	252	MAX
MIN	10.0	12.4	5.80	20.2	25.7	6.60	3.80	2.22	1.55	10.7	35.8	28.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 56.7
MAXIMUM DAILY, 803E ON APR 08
MINIMUM DAILY, 1.55 ON SEP 05
MAXIMUM INSTANTANEOUS,
908E AT 20:00 NST ON APR 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 46 07 N
LONG 055 04 52 W
DRAINAGE AREA, 2 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	71 000	JUL	35 000
FEB	72 400	AUG	9 620
MAR	52 100	SEP	9 980
APR	606 000	OCT	159 000
MAY	250 000	NOV	251 000
JUN	84 800	DEC	188 000

TOTAL DISCHARGE, 1 790 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 422 IS DUE TO CURVE EXTENSION

PETERS RIVER NEAR BOTWOOD - STATION NO. 02YO006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.430B	4.55 B	0.730B	1.34B	12.0	4.66	0.725	1.76	0.464	0.695	16.8	5.18	1
2	1.28 B	3.65 B	0.700B	1.28B	15.7	4.93	0.644	1.36	0.491	0.861	21.7	3.78	2
3	1.20 B	3.05 B	0.940B	1.47B	21.3	3.68	0.587	1.07	0.505	1.49	14.2	3.12	3
4	1.11 B	2.60 B	0.910B	2.00B	23.8	2.89	0.595	1.01	0.463	2.06	8.43	2.52	4
5	1.04 B	2.21 B	0.860B	7.84	18.4	2.33	0.554	0.885	0.397	1.92	6.25	2.11	5
6	0.980B	1.99 B	0.810B	26.4	12.2	2.02	0.550	0.805	0.374	1.70	6.15	1.98	6
7	0.920B	1.80 B	0.759B	56.1	8.66	1.67	0.512	0.709	0.385	1.62	5.66	1.90	7
8	0.870B	1.61 B	0.730B	50.7	7.41	1.46	0.503	0.630	0.401	1.62	4.74	1.93	8
9	0.815B	1.49 B	0.700B	45.5	8.04	1.26	0.498	0.593	0.420	1.57	3.74	1.81	9
10	0.765B	1.40 B	0.670B	34.1	10.0	1.09	0.508	0.588	0.407	2.30	3.27	4.30	10
11	0.717B	2.50 B	0.641B	22.3	11.0	1.00	0.530	0.572	0.416	5.93	3.04	10.8	11
12	0.675B	2.32 B	0.620B	16.7	8.51	0.929	0.547	0.597	0.437	6.96	2.90	9.43	12
13	0.645B	2.15 B	0.595B	17.3	6.40	0.888	0.588	0.520	0.369	5.30	2.82	6.72	13
14	0.610B	1.92 B	0.570B	23.1	5.01	0.832	0.560	0.476	0.356	4.15	2.67	4.46	14
15	0.575B	1.78 B	0.801B	22.2	4.27	0.770	0.490	0.621	0.339	3.74	2.30	2.80B	15
16	0.545B	1.63 B	1.12 B	20.0	3.84	0.711	0.455	0.677	0.333	3.52	2.09	2.62	16
17	0.518B	1.51 B	1.58 B	17.4	3.35	0.746	0.463	0.676	0.373	2.99	1.94	2.98	17
18	0.495B	1.40 B	2.35 B	20.0	2.87	0.756	0.423	0.650	0.391	2.49	1.83	2.00	18
19	0.470B	1.30 B	3.35 B	23.5	2.44	0.678	0.373	0.684	0.381	2.10	2.27	2.85	19
20	0.447B	1.22 B	4.50 B	20.3	2.59	0.670	0.449	0.753	0.404	2.20	4.93	5.43	20
21	0.430B	1.14 B	6.00 B	15.5	8.67	0.817	0.524	0.756	0.439	2.72	8.06	5.88	21
22	0.415B	1.07 B	4.70 B	13.8	15.9	1.24	0.990	0.799	0.534	2.83	7.48	4.36	22
23	0.395B	1.00 B	3.85 B	13.5	16.0	1.45	2.26	0.695	0.645	2.33	6.14	3.46	23
24	0.382B	0.940B	3.20 B	13.2	11.8	1.48	2.66	0.583	0.767	2.09	6.96	2.94	24
25	0.365B	0.890B	2.78 B	13.0	7.91	1.35	4.41	0.534	0.881	1.86	11.1	4.17	25
26	0.850B	0.840B	2.40 B	11.6	5.88	1.35	11.4	0.508	0.997	1.95	11.3	6.65	26
27	2.50 B	0.800B	2.10 B	11.5	4.67	1.34	14.0	0.461	1.02	2.16	8.62	6.15B	27
28	5.50 B	0.760B	1.89 B	13.3	3.99	1.06	9.53	0.482	0.921	2.61	6.48	4.45B	28
29	14.0 B		1.69 B	13.2	3.44	0.887	5.30	0.435	0.846	2.78	5.25	3.40B	29
30	9.00 B		1.57 B	11.6	2.78	0.816	3.38	0.443	0.768	2.71	5.07	2.65B	30
31	6.10 B		1.45 B		2.88		2.47	0.475		4.98		2.05B	31
TOTAL	55.044	49.520	55.466	559.73	271.71	45.760	67.478	21.807	15.924	84.236	194.19	123.88	TOTA
MEAN	1.78	1.77	1.79	18.7	8.76	1.53	2.18	0.704	0.531	2.72	6.47	4.00	MEAN
MAX	14.0	4.55	6.00	56.1	23.8	4.93	14.0	1.76	1.02	6.96	21.7	10.8	MAX
MIN	0.365	0.760	0.570	1.28	2.44	0.670	0.373	0.435	0.333	0.695	1.83	1.81	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.23
MAXIMUM DAILY, 56.1 ON APR 07
MINIMUM DAILY, 0.333 ON SEP 16
MAXIMUM INSTANTANEOUS,
58.7 AT 15:34 NST ON APR 07

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 21 N
LONG 055 24 38 W
DRAINAGE AREA, 177 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 760	JUL	5 830
FEB	4 280	AUG	1 880
MAR	4 790	SEP	1 380
APR	48 400	OCT	7 280
MAY	23 500	NOV	16 800
JUN	3 950	DEC	10 700

TOTAL DISCHARGE, 134 000 dam³

NEWFOUNDLAND

PETTY HARBOUR RIVER AT SECOND POND - STATION NO. 02ZM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.45	4.05	4.30	2.73	5.10	5.01	2.89	0.595	1.39	9.40	12.6	8.81	1
2	12.9	4.05	4.39	5.10	6.94	5.10	3.14	0.310	1.07	12.7	11.9	8.58	2
3	12.5	4.25	7.53	5.24	6.14	3.74	4.11	1.01	1.48	13.1	10.7	9.32	3
4	11.7	2.21	10.1	2.55	6.17	4.33	2.47	0.957	1.67	13.1	10.7	5.69	4
5	11.2	3.09	13.5	8.10	5.30	2.86	2.11	0	0.564	13.1	8.75	7.02	5
6	5.07	2.10	13.5	5.18	5.41	2.97	1.48	0	0.850	11.2	7.65	11.8	6
7	1.63	1.81	11.8	6.43	8.92	3.48	1.27	0	0.127	10.6	7.79	9.71	7
8	2.86	2.66	9.63	8.18	5.92	5.41	0.637	0	2.83	3.91	7.39	8.81	8
9	2.51	4.76	4.05	3.92	6.71	8.04	1.53	0	2.17	5.49	7.39	10.2	9
10	4.64	5.18	3.71	5.30	5.89	8.04	1.60	0	0	7.39	7.65	12.6	10
11	6.71	10.9	4.84	5.07	7.39	7.14	0.850	0	1.89	5.52	6.31	12.5	11
12	3.91	13.5	3.85	6.80	2.97	5.64	0.850	0	0.881	5.10	8.10	7.53	12
13	6.17	13.5	4.65	2.52	3.79	4.59	1.13	0.531	0	5.01	7.99	8.41	13
14	4.84	10.9	3.99	2.52	5.38	3.88	0.850	0.413	0.223	3.03	6.17	7.99	14
15	2.80	10.0	3.77	7.36	5.10	2.86	1.24	0.490	0	10.4	7.25	3.99	15
16	1.81	6.09	3.68	3.88	3.68	2.71	1.37	0.266	1.12	10.1	7.48	7.67	16
17	1.75	2.32	2.47	5.78	1.20	3.03	0.765	0	0.637	8.04	5.10	12.4	17
18	4.98	6.74	4.81	5.83	3.00	2.27	0	1.37	2.46	7.39	5.10	13.0	18
19	5.10	3.65	5.35	7.14	2.06	2.77	0.702	3.71	2.04	7.76	9.23	13.0	19
20	4.84	2.60	3.62	7.14	9.63	2.73	0	4.42	1.34	8.72	10.0	12.5	20
21	4.90	5.58	6.97	7.14	46.7	2.24	0	3.51	3.20	4.84	7.65	11.3	21
22	2.41	4.79	9.37	7.14	32.6	3.06	0.297	0.340	0.510	2.41	2.70	11.7	22
23	1.22	3.99	5.58	8.41	19.5	5.86	1.20	0	0.850	4.42	8.52	11.7	23
24	1.06	3.51	4.59	6.34	14.8	7.70	0	0	0	4.76	7.02	11.6	24
25	6.23	9.37	1.39	7.82	12.9	6.68	0	0	2.86	10.6	3.82	12.7	25
26	4.90	11.1	1.63	5.10	11.7	6.51	0	0	12.4	6.26	3.99	11.6	26
27	5.97	7.36	2.62	6.03	9.93	5.38	0	0.818	13.3	6.46	3.79	9.49	27
28	12.2	6.34	4.05	5.10	8.21	5.38	0	1.47	11.8	11.9	5.83	1.26	28
29	8.89		2.02	5.10	5.89	3.60	0	0.818	8.95	10.4	3.06	4.62	29
30	7.36		2.15	4.45	4.64	3.43	1.08	3.14	7.65	11.6	7.56	8.16	30
31	5.07		2.62		4.93		0.745	3.31		13.0		8.92	31
TOTAL	177.61	168.42	166.10	173.04	278.40	136.38	32.616	27.698	84.262	257.81	219.19	294.58	TOTAL
MEAN	5.73	6.02	5.36	5.77	8.98	4.55	1.05	0.894	2.81	8.32	7.31	9.50	MEAN
MAX	12.9	13.5	13.5	8.41	46.7	8.04	4.11	4.42	13.3	13.2	12.6	13.0	MAX
MIN	1.25	1.81	1.39	2.52	1.20	2.24	0	0	0	2.41	2.70	1.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.52
MAXIMUM DAILY, 46.7 ON MAY 21
MINIMUM DAILY, 0 ON JUL 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 27 27 N
LONG 052 43 47 W
DRAINAGE AREA, 134 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 300	JUL	2 820
FEB	14 600	AUG	2 390
MAR	14 400	SEP	7 280
APR	15 000	OCT	22 300
MAY	24 100	NOV	18 900
JUN	11 800	DEC	25 500

TOTAL DISCHARGE, 174 000 dam³

PIERRES BROOK AT GULL POND - STATION NO. 02ZM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.73	5.15	6.46	4.56	4.59	4.70	4.70	0	0	5.61	6.37	6.23	1
2	5.15	6.00	6.46	4.90	4.50	4.56	4.33	0	0	6.14	6.37	6.37	2
3	5.38	5.92	6.46	4.84	4.59	4.56	4.84	0	0	6.40	6.37	6.37	3
4	5.32	6.17	6.46	4.76	4.47	4.59	5.10	0	1.37	6.40	6.37	6.37	4
5	5.38	5.72	6.60	4.76	4.45	4.59	5.10	0	3.99	6.40	6.37	6.37	5
6	5.24	6.46	6.60	4.73	4.42	4.64	5.30	0	4.05	6.40	6.37	6.37	6
7	5.18	6.46	6.60	4.70	4.42	4.62	5.47	0	1.79	6.40	6.37	6.37	7
8	5.07	6.46	6.60	4.76	4.42	4.64	5.41	0	3.96	6.40	6.37	6.37	8
9	5.15	6.46	6.57	4.70	4.42	4.59	5.47	0	3.77	6.40	6.37	6.37	9
10	4.56	6.46	6.60	4.73	4.45	4.62	5.52	0	3.77	6.40	6.37	6.37	10
11	5.18	6.46	6.57	4.73	4.42	4.96	5.49	0	3.77	6.40	6.37	6.37	11
12	5.41	6.46	6.60	4.73	4.45	4.67	5.55	0	3.71	6.40	6.37	6.37	12
13	5.21	6.46	6.57	4.81	4.45	4.64	5.18	0	3.79	6.40	6.37	1.47	13
14	4.84	6.46	6.23	4.79	4.36	4.64	4.84	0	3.68	6.40	5.49	4.81	14
15	4.76	6.46	2.89	4.79	4.50	4.56	4.39	0	3.74	6.29	6.37	6.31	15
16	4.81	6.46	6.60	4.79	3.34	4.59	4.25	0	3.71	6.31	6.37	6.37	16
17	4.90	6.46	6.60	4.93	4.90	4.56	4.36	0	3.88	5.95	6.37	6.12	17
18	4.81	6.48	6.60	5.35	4.90	4.59	4.59	0	4.28	6.37	6.37	6.37	18
19	2.03	6.46	6.60	5.38	4.90	4.53	4.62	0	4.28	6.40	6.37	6.37	19
20	1.32	6.46	6.57	5.01	4.87	4.53	3.34	0	4.22	5.78	6.37	6.37	20
21	6.12	6.48	6.57	4.56	4.90	4.59	4.84	0	4.05	6.40	6.37	6.37	21
22	6.29	6.46	6.51	4.56	4.90	4.62	2.86	0	4.16	6.40	6.37	6.37	22
23	6.23	6.46	6.48	4.62	4.90	4.64	0	0	4.13	6.40	6.37	6.37	23
24	6.14	6.48	6.51	4.59	4.96	4.67	0	0	4.05	6.40	6.37	6.37	24
25	6.06	6.46	6.46	4.64	4.81	4.62	0	0	4.22	6.40	6.37	6.37	25
26	5.97	6.46	6.43	4.62	4.87	4.59	0	0	5.01	6.40	6.37	6.37	26
27	6.34	6.46	6.46	4.59	4.87	4.64	0	0	5.13	6.68	5.35	5.01	27
28	6.17	6.48	6.00	4.62	4.84	4.56	0	0	5.18	6.40	6.23	0.204	28
29	6.03		4.73	4.59	4.84	4.67	0	0	5.15	6.40	6.23	3.74	29
30	5.35		4.81	4.56	4.84	4.70	0	0	5.15	6.40	5.86	6.14	30
31	6.14		4.90		5.18		0	0		6.40		5.97	31
TOTAL	161.24	177.62	193.10	142.70	143.73	138.68	105.55	0	107.99	196.33	188.41	179.774	TOTAL
MEAN	5.20	6.34	6.23	4.76	4.64	4.62	3.40	0	3.60	6.33	6.28	5.80	MEAN
MAX	6.34	6.48	6.60	5.38	5.18	4.96	5.55	0	5.18	6.68	6.37	6.37	MAX
MIN	1.32	5.15	2.89	4.56	3.34	4.53	0	0	0	5.61	5.35	0.204	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.75
MAXIMUM DAILY, 6.68 ON OCT 27
MINIMUM DAILY, 0 ON JUL 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 17 50 N
LONG 052 51 00 W
DRAINAGE AREA, 117 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 900	JUL	9 120
FEB	15 300	AUG	0
MAR	16 700	SEP	9 330
APR	12 300	OCT	17 000
MAY	12 400	NOV	16 300
JUN	12 000	DEC	15 500

TOTAL DISCHARGE, 150 000 dam³

NEWFOUNDLAND

PINCHGUT BROOK AT OUTLET OF PINCHGUT LAKE - STATION NO. 02YJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.41	6.87	1.23	1.75	7.31	11.5	1.43	4.24	2.20	2.49	4.48	8.87
2	1.52	5.88	1.21	1.65	12.7	10.1	1.34	3.55	2.03	3.34	4.50	7.63
3	1.65	4.95	1.18	1.61	23.2	9.42	1.21	3.37	1.87	3.48	4.20	6.68
4	1.80	4.26	1.14	1.88	15.5	8.95	1.10	3.88	1.68	3.26	3.95	5.66
5	1.92	3.71	1.06	6.75	18.4	9.32	1.04	3.90	1.51	3.10	5.83	5.07
6	1.97	3.32	1.04	15.6	15.1	8.57	0.964	3.44	1.35	3.08	7.39	4.77
7	1.96	3.02	0.978	16.1	12.6	7.45	0.908	2.95	1.24	3.09	6.82	4.65
8	1.86	2.76	0.946	13.4	10.5	6.34	0.840	2.60	1.33	3.32	6.14	4.36
9	1.77	2.52	0.913	10.6	9.18	5.37	0.713	2.26	1.38	3.62	5.47	15.0
10	1.68	2.48	0.869	8.45	8.83	4.66	0.700	2.02	1.31	5.15	4.91	27.8
11	1.65B	2.58	0.855	6.92	9.95	4.00	0.771	1.86	1.26	6.15	4.44	21.7
12	1.58B	2.50	0.817	6.21	13.6	3.46	0.782	1.69	1.24	5.66	4.62	16.2
13	1.53B	2.36	0.825	6.22	15.6	3.09	0.767	2.02	1.18	5.05	4.78	12.0
14	1.48B	2.22	0.776	5.87	15.5	2.74	0.736	2.19	1.13	4.75	4.44	9.81
15	1.43B	2.08	0.759	5.34	15.0	2.61	0.748	2.12	1.08	7.34	4.08	8.40
16	1.37B	1.97	0.716	4.98	14.9	2.50	0.735	2.03	1.05	7.26	3.68	7.12
17	1.32B	1.91	0.723	5.99	14.4	2.32	0.691	1.89	1.02	6.40	3.45	6.92
18	1.45B	1.80	0.795	7.95	12.9	2.13	0.634	1.74	2.34	5.55	3.83	7.68
19	1.42B	1.73	1.17	9.11	12.5	2.08	0.591	2.27	2.97	5.06	7.03	10.8
20	1.38B	1.67	1.68	8.26	11.2	2.24	0.569	2.90	2.92	5.87	10.9	15.4
21	1.33B	1.58	2.01	7.86	9.64	2.37	0.573	2.81	3.10	6.08	11.9	12.7
22	1.30B	1.52	2.18	7.79	8.43	2.33	0.594	2.50	3.42	5.57	10.6	10.3
23	1.26B	1.46	2.16	7.90	7.71	2.20	0.585	2.25	3.39	5.11	9.00	9.00
24	1.23B	1.47	2.30	8.31	7.39	2.01	0.744	2.00	4.85	4.80	9.56	18.1
25	1.18B	1.49	2.53	7.83	7.15	1.87	7.01	1.82	5.58	4.97	9.86	20.7
26	1.27	1.42	2.56	7.21	6.83	1.78	11.8	1.66	4.94	5.19	10.6	17.3
27	3.56	1.30	2.42	7.20	6.67	1.68	12.8	1.52	4.17	4.89	11.0	13.2
28	9.94	1.24	2.32	7.78	6.91	1.57	10.3	1.38	3.61	4.43	9.50	10.2
29	11.2		2.16	7.77	7.34	1.56	8.17	1.28	3.15	3.97	8.83	8.14
30	9.48		1.96	7.38	8.53	1.50	6.56	1.82	2.74	3.68	9.82	7.14
31	7.98		1.87		11.4		5.14	2.28		3.89		6.32
TOTAL	81.88	72.07	44.152	221.67	364.97	127.52	81.545	74.24	71.04	146.60	205.61	339.82
MEAN	2.64	2.57	1.42	7.39	11.8	4.25	2.63	2.39	2.37	4.73	6.85	11.0
MAX	11.2	6.87	2.56	16.1	23.2	11.5	12.8	4.24	5.58	7.34	11.9	27.8
MIN	1.18	1.24	0.716	1.61	6.67	1.50	0.569	1.28	1.02	2.49	3.45	4.36

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.02
MAXIMUM DAILY, 27.8 ON DEC 10
MINIMUM DAILY, 0.569 ON JUL 20
MAXIMUM INSTANTANEOUS,
29.6 AT 03:51 NST ON DEC 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 48 21 N
LONG 058 00 56 W
DRAINAGE AREA, 119 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 070	JUL	7 050
FEB	6 230	AUG	6 410
MAR	3 810	SEP	6 140
APR	19 200	OCT	12 700
MAY	31 500	NOV	17 800
JUN	11 000	DEC	29 400

TOTAL DISCHARGE, 158 000 dam³

PIPERS HOLE RIVER AT MOTHERS BROOK - STATION NO. 02ZH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10.2 B	18.2 B	3.58B	8.00B	45.4A	14.7	25.1	4.94	2.12	9.99	58.0	31.6
2	14.5 B	14.2 B	3.35B	14.6 B	39.3	12.6	21.6	5.41	2.06	22.7	44.8	31.5
3	27.9 B	11.7 B	12.2 B	29.0 B	39.3	11.1	18.8	5.71	2.40	32.3	35.2	27.4
4	22.0 B	9.55B	22.3 B	55.0 B	40.2	10.4	16.7	5.63	4.57	43.6	33.3	24.9
5	17.6 B	7.83B	40.4 B	90.0 B	34.2	14.5	15.6	5.23	4.26	32.1	34.0	23.0
6	14.5 B	6.65B	32.8 B	150 B	30.1	25.6	14.8	4.98	3.67	38.8	33.4	24.2
7	12.2 B	5.63B	26.3 B	240 B	29.2	24.2	12.8	4.98	3.24	34.7	30.5	27.1
8	10.6 B	4.95B	21.2 B	130 E	29.6	29.4	12.4	4.54	3.47	29.6	28.5	23.2
9	9.50B	4.55B	17.4 B	96.0 E	31.9	44.1	12.3	4.19	5.42	25.9	25.5	22.0
10	8.00B	19.6 B	14.8 B	60.0 E	40.2	35.3	11.1	4.03	4.72	36.3	23.5	97.7
11	8.75B	35.0 B	12.4 B	100 E	36.8	29.7	15.5	3.90	15.8	40.0	22.7	75.1
12	10.0 B	62.5 B	11.0 B	150 E	35.3	26.9	12.6	3.65	24.3	32.2	37.2	47.4
13	11.4 B	44.5 B	9.25B	115 E	37.2	23.1	10.8	3.63	15.2	28.3	35.0	21.8
14	9.55B	29.2 B	8.39B	85.0 E	31.6	19.6	9.66	3.80	11.5	26.6	29.6	19.2
15	7.90B	24.3 B	7.77B	63.0 E	28.8	17.0	8.66	4.69	9.32	58.3	26.2	35.7
16	7.10B	17.1 B	6.59B	70.0 E	26.7	15.0	7.90	4.45	8.09	51.3	25.0	34.7
17	6.22B	14.2 B	5.82B	75.0 E	23.8	15.0	7.35	3.91	7.54	39.5	23.9	55.3
18	5.75B	11.5 B	9.11B	66.0 E	21.5	13.9	6.83	3.64	7.04	32.7	24.3	64.5
19	5.28B	9.90B	12.7 B	58.0 E	19.5	12.5	6.47	3.42	7.03	27.6	37.5	65.9
20	4.88B	8.50B	17.8 B	51.0 E	22.6	71.6	6.58	3.67	6.57	27.1	79.1	75.6
21	4.60B	7.52B	24.1 B	47.0 E	34.5	97.0	6.68	3.60	7.07	24.2	60.2	48.4A
22	4.35B	6.70B	33.0 B	42.0 E	37.4	102	6.57	3.18	8.58	20.9	49.3	39.2E
23	4.08B	5.99B	27.0 B	40.0 E	33.5	104	6.28	5.93	7.80	18.2	43.1	33.5E
24	3.86B	5.42B	22.9 B	50.0 E	29.1	86.8	6.29	5.63	8.48	16.3	47.9	41.5E
25	3.70B	4.97B	19.1 B	80.0 E	26.0	71.8	6.96	2.53	10.6	15.0	45.9	49.5E
26	12.0 B	4.58B	16.8 B	74.0 E	23.5	61.5	6.68	2.41	19.1	14.1	44.8	42.5E
27	28.0 B	4.22B	14.7 B	66.0 E	21.2	50.8	6.19	2.29	16.5	18.3	45.8	36.5E
28	32.5 B	3.83B	12.7 B	60.0 E	19.1	41.7	5.83	2.25	14.7	28.9	36.2	31.0E
29	40.4 B		11.3 B	54.0 E	17.3	34.8	5.55	2.29	12.5	24.7	34.1	27.5E
30	30.0 B		10.0 B	50.0 E	15.9	29.3	5.34	2.26	11.0	24.3	33.0	24.0E
31	23.8 B		8.85B		15.6		5.06	2.18		49.7		22.1E
TOTAL	431.12	402.79	495.60	2 268.60	916.3	1 145.9	320.98	116.95	266.65	922.19	1 127.2	1 243.5
MEAN	13.9	14.4	16.0	75.6	29.6	38.2	10.4	3.77	8.89	29.7	37.6	40.1
MAX	52.5	62.5	40.4	240	45.4	104	22.1	5.71	24.3	58.3	79.1	97.7
MIN	3.70	3.83	3.35	8.00	15.6	10.4	5.06	2.18	2.06	9.99	22.7	21.8

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.5
MAXIMUM DAILY, 240E ON APR 07
MINIMUM DAILY, 2.06 ON SEP 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 56 49 N
LONG 054 17 08 W
DRAINAGE AREA, 764 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	37 200	JUL	27 700
FEB	34 800	AUG	10 100
MAR	42 800	SEP	23 000
APR	196 000	OCT	79 700
MAY	79 200	NOV	97 400
JUN	99 000	DEC	107 000

TOTAL DISCHARGE, 834 000 dam³

NEWFOUNDLAND

RAGGED HARBOUR RIVER NEAR MUSGRAVE HARBOUR - STATION NO. 02YR002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.18B	7.45B	2.55B	8.50B	24.8	17.5	3.37	5.39	0.498	0.446	8.29	12.6	1
2	3.49B	6.90B	2.45B	8.30B	35.4	15.3	3.04	4.85	0.485	0.663	10.3	11.5 B	2
3	3.85B	6.45B	2.30B	8.60B	46.7	13.1	2.91	4.04	0.442	0.730	10.4	10.8 B	3
4	4.18B	6.00B	2.50B	11.5 B	43.0	11.8	2.62	3.54	0.425	0.714	9.91	9.95B	4
5	4.00B	5.62B	2.70B	17.5 B	35.2	10.3	2.44	3.11	0.410	0.723	10.8	9.40B	5
6	3.88B	5.23B	2.50B	27.0 B	29.4	9.28	2.24	2.81	0.359	0.785	11.8	8.80B	6
7	3.68B	4.95B	2.37B	47.0 B	25.7	8.88	2.06	2.53	0.330	0.753	12.3	8.20B	7
8	3.50B	4.60B	2.28B	78.4	23.4	7.92	1.94	2.30	0.373	0.715	11.7	7.60B	8
9	3.33B	4.35B	2.18B	74.4	22.0	7.97	2.00	2.15	0.316	0.740	11.0	7.50	9
10	3.16B	4.00B	2.10B	56.7	24.4	7.51	1.99	1.94	0.307	1.49	9.76	12.5	10
11	3.04B	4.70B	2.01B	42.6	24.2	7.11	1.84	1.70	0.389	2.05	9.83	17.3	11
12	2.89B	5.40B	1.95B	40.3	22.0	6.39	1.75	1.60	0.375	2.55	10.7	16.8	12
13	2.76B	5.20B	1.87B	48.4	19.8	5.60	1.72	1.43	0.368	2.97	10.4	12.8 B	13
14	2.63B	4.83B	1.82B	45.8	18.0	5.05	1.70	1.33	0.340	3.37	10.2	10.5 B	14
15	2.51B	4.62B	1.77B	39.5	16.3	4.41	1.70	1.31	0.321	3.83	8.89	9.30B	15
16	2.40B	4.40B	1.70B	35.1	14.3	4.09	1.58	1.12	0.315	4.05	8.24	8.40B	16
17	2.30B	4.20B	2.11B	33.6	12.8	4.00	1.46	1.04	0.312	3.96	7.85	7.60B	17
18	2.21B	4.00B	2.50B	34.5	11.1	3.74	1.37	1.01	0.280	3.98	7.43	8.50B	18
19	2.11B	3.81B	3.20B	34.1	10.1	3.40	1.26	1.04	0.279	3.74	8.32	9.10B	19
20	2.01B	3.67B	3.85B	29.9	12.1	3.41	1.32	1.04	0.296	3.68	11.3	9.80B	20
21	1.95B	3.50B	4.90B	26.7	40.8	4.14	1.25	0.940	0.372	3.16	12.5	8.70B	21
22	1.88B	3.35B	6.00B	25.7	58.4	4.33	1.77	0.898	0.384	3.04	12.7	8.10B	22
23	1.80B	3.20B	8.40B	24.9	52.4	4.51	3.12	0.760	0.333	2.88	12.8	7.60B	23
24	1.73B	3.09B	10.0 B	25.6	42.7	4.46	3.43	0.687	0.498	2.72	12.9	8.90B	24
25	1.68B	2.99B	11.0 B	28.0	35.6	4.42	3.74	0.646	0.602	2.68	13.1	10.7 B	25
26	3.05B	2.89B	10.9 B	27.3	33.7	4.38	5.15	0.637	0.599	2.49	12.5	11.8 B	26
27	4.60B	2.79B	10.3 B	26.2	35.9	4.26	7.80	0.633	0.552	2.87	11.3	9.90B	27
28	5.80B	2.64B	9.95B	25.4	32.8	3.97	7.50	0.640	0.550	3.26	11.6	9.20B	28
29	9.00B		9.50B	24.3	28.0	3.67	6.92	0.646	0.532	3.44	11.3	8.50B	29
30	8.80B		9.20B	22.8	23.2	3.54	6.68	0.597	0.488	3.44	11.9	8.10B	30
31	8.00B		8.90B		20.1		6.13	0.550		5.32		7.65B	31
TOTAL	109.40	124.83	145.76	979.60	874.3	198.44	93.60	52.834	12.130	77.499	322.02	308.10	TOTAL
MEAN	3.53	4.46	4.70	32.7	28.2	6.61	3.02	1.70	0.404	2.50	10.7	9.94	MEAN
MAX	9.00	7.45	11.0	78.4	58.4	17.5	7.80	5.39	0.602	5.32	13.1	17.3	MAX
MIN	1.68	2.64	1.70	8.30	10.1	3.40	1.25	0.550	0.279	0.446	7.43	7.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.04
MAXIMUM DAILY, 78.4 ON APR 08
MINIMUM DAILY, 0.279 ON SEP 19
MAXIMUM INSTANTANEOUS,
81.5 AT 17:00 NST ON APR 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 35 N
LONG 054 06 25 W
DRAINAGE AREA, 399 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 450	JUL	8 090
FEB	10 800	AUG	4 560
MAR	12 600	SEP	1 050
APR	84 600	OCT	6 700
MAY	75 500	NOV	27 800
JUN	17 100	DEC	26 600

TOTAL DISCHARGE, 285 000 dam³

RATTLE BROOK NEAR BOAT HARBOUR - STATION NO. 02ZG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00 B	1.55 B	0.590B	0.550B	1.51	1.62	1.00	0.148	0.343	0.960	3.94	1.45B	1
2	6.00 B	1.23 B	0.500B	0.480B	1.36	1.29	0.865	0.175	0.288	8.09	2.58	1.28B	2
3	5.40 B	1.04 B	1.34 B	1.41	2.78	1.10	0.764	0.101	0.672	5.93	1.86	1.17B	3
4	4.20 B	0.860B	16.2 B	2.41	2.61	0.908	0.711	0.164	1.40	4.42	1.50	1.06B	4
5	3.15 B	0.760B	8.89	21.7	1.93	7.39	0.676	0.175	1.03	3.00	1.52	1.00	5
6	2.53 B	0.660B	4.36	14.2	1.64	8.61	0.612	0.231	0.811	4.59	1.44	1.30	6
7	2.05 B	0.570B	3.00 B	6.82	1.66	4.57	0.571	0.323	0.639	3.18	1.35	1.59	7
8	1.70 B	0.510B	2.10 B	8.42	1.89	4.82	0.621	0.309	0.737	2.19	1.22	1.42	8
9	1.48 B	0.450B	1.51 B	5.58	2.66	4.51	0.601	0.271	0.881	1.67	1.08	1.72	9
10	1.30 B	1.50 B	1.18 B	3.46	3.03	3.00	0.874	0.265	0.760	2.13	0.980	14.1	10
11	2.70 B	27.1 B	0.942B	4.63	2.28	2.20	1.01	0.225	1.78	2.20	1.76	5.78	11
12	3.80 B	11.3	0.765B	20.4	2.63	1.78	0.842	0.206	2.22	1.69	4.06	3.25	12
13	4.06 B	5.36	0.660B	9.07	2.51	1.43	0.679	0.436	1.43	1.36	2.94	2.13	13
14	3.95 B	3.54	0.582B	5.09	1.83	1.20	0.572	0.464	1.04	1.21	2.14	1.62B	14
15	2.25 B	2.70 B	0.498B	3.48	1.56	1.13	0.489	1.56	0.830	5.48	1.65	2.10B	15
16	1.69 B	2.16 B	0.440B	3.19	1.36	1.02	0.453	1.38	0.714	3.96	1.45	1.61B	16
17	1.32 B	1.57 B	0.385B	4.68	1.17	1.61	0.410	0.935	0.623	2.41	1.29	3.95B	17
18	2.12 B	1.22 B	0.570B	3.87	1.02	1.80	0.392	0.693	0.620	1.70	1.18	6.08	18
19	3.00 B	1.05 B	1.70 B	2.91	0.992	1.53	0.374	0.594	0.606	1.35	3.83	8.80	19
20	2.62 B	0.880B	1.70 B	2.11	2.99	5.59	0.352	0.526	0.563	1.66	6.97	8.16	20
21	1.95 B	0.735B	2.55 B	1.71	3.82	7.46	0.333	0.457	0.641	1.47	4.03	4.30	21
22	1.39 B	0.645B	6.08	2.18	5.65	6.39	0.330	0.407	0.747	1.23	2.72	3.38	22
23	1.14 B	0.545B	3.67	4.33	1.81	4.22	0.298	0.370	0.687	1.09	2.24	2.81	23
24	0.920B	1.90 B	2.44	10.8	1.46	2.80	0.315	0.331	1.24	0.961	4.18	6.92	24
25	0.810B	2.71 B	1.90 B	6.34	1.16	3.47	0.303	0.292	1.89	1.03	5.62	7.75	25
26	0.730B	1.40 B	1.40 B	3.95	1.01	3.25	0.282	0.270	2.96	1.17	4.35	4.89	26
27	9.00 B	0.857B	1.16 B	2.80	0.910	2.32	0.263	0.234	2.10	1.75	3.49	3.14	27
28	6.82	0.700B	0.970B	2.58	0.818	1.78	0.238	0.231	1.49	2.75	2.38	2.25B	28
29	3.61		0.840B	2.15	0.742	1.44	0.217	0.407	1.17	1.98	1.90	1.82B	29
30	2.92 B		0.720B	1.77	1.00	1.18	0.193	0.394	0.977	2.27	1.71	1.52B	30
31	2.00 B		0.635B		1.94		0.177	0.388		4.59		1.36B	31
TOTAL	90.610	75.502	69.877	162.970	56.732	91.418	15.817	13.042	31.889	79.471	77.360	109.71	TOTAL
MEAN	2.92	2.70	2.25	5.43	1.83	3.05	0.510	0.421	1.06	2.56	2.58	3.54	MEAN
MAX	9.00	27.1	16.2	21.7	3.82	8.61	1.01	1.56	2.96	8.09	6.97	14.1	MAX
MIN	0.730	0.450	0.385	0.480	0.742	0.908	0.177	0.148	0.288	0.960	0.980	1.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.40
MAXIMUM DAILY, 27.1B ON FEB 11
MINIMUM DAILY, 0.148 ON AUG 01
MAXIMUM INSTANTANEOUS,
50.9E AT 11:30 NST ON FEB 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 27 02 N
LONG 054 51 18 W
DRAINAGE AREA, 42.7 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 930	JUL	1 370
FEB	6 520	AUG	1 130
MAR	6 040	SEP	2 760
APR	14 100	OCT	6 870
MAY	4 900	NOV	6 680
JUN	7 900	DEC	9 480

TOTAL DISCHARGE, 75 600 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 47.2 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

RATTLER BROOK NEAR MCIVERS - STATION NO. 02YL005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.065B	1.08 B	0.086B	0.200B	1.72	1.59	0.048	0.114	0.085	0.140	1.43	0.778
2	0.100B	0.850B	0.081B	0.180B	6.63	0.675	0.037	0.080	0.068	0.290	0.739	0.518
3	0.220B	0.680B	0.076B	0.500B	5.33	0.398	0.069	0.068	0.049	0.296	0.444	0.370B
4	0.198B	0.540B	0.073B	1.10 B	2.21	0.327	0.122	0.076	0.038	0.211	0.394	0.240B
5	0.178B	0.430B	0.070B	3.00 B	1.20	0.364	0.119	0.065	0.027	0.167	2.34	0.170B
6	0.162B	0.340B	0.067B	1.80 B	1.05	0.335	0.103	0.050	0.024E	0.168	1.23	0.285B
7	0.149B	0.260B	0.064B	1.20 B	0.879	0.248	0.103	0.033	0.021E	0.182	0.649	0.250B
8	0.137B	0.200B	0.062B	0.800B	0.700	0.151	0.095	0.031	0.085	0.194	0.511	0.210B
9	0.127B	0.155B	0.059B	0.540B	0.815	0.146	0.079	0.023	0.060	0.260	0.427	12.1
10	0.120B	0.205B	0.057B	0.390B	1.82	0.121	0.098	0.016	0.042	1.77	0.373	4.53
11	0.111B	0.330B	0.055B	0.500B	2.34	0.091	0.131	0.009	0.047	1.07	0.355	1.60 B
12	0.105B	0.310B	0.053B	0.620B	3.89	0.070	0.109	0.008	0.042	0.461	0.547	1.20 B
13	0.098B	0.278B	0.051B	0.700B	2.38	0.060	0.099	0.769	0.035	0.297	0.530	2.70 B
14	0.092B	0.250B	0.050B	0.540B	1.81	0.048	0.090	0.492	0.041	0.595	0.389	1.60 B
15	0.087B	0.225B	0.049B	0.490B	1.41	0.045	0.085	0.251	0.033	2.87	0.353	1.00 B
16	0.083B	0.205B	0.048B	1.05 B	1.40	0.040	0.069	0.176	0.039	1.20	0.323	0.580B
17	0.079B	0.188B	0.047B	2.80	1.35	0.041	0.069	0.122	0.137	0.624	0.423	1.00 B
18	0.111B	0.171B	0.083B	1.74	1.17	0.036	0.071	0.227	0.591	0.448	0.877	1.70 B
19	0.162B	0.158B	0.150B	1.94	0.856	0.122	0.097	3.60	0.387	0.688	5.77	5.10
20	0.138B	0.145B	0.300B	1.29	0.610	1.21	0.094	1.32	0.246	1.59	3.79	2.60 B
21	0.121B	0.134B	0.225B	1.29	0.471	0.862	0.099	0.524	0.675	0.909	1.96	1.20 B
22	0.111B	0.128B	0.155B	1.18	0.408	0.408	0.105	0.278	2.01	0.510	1.05	0.620B
23	0.101B	0.120B	0.110B	1.38	0.434	0.214	0.086	0.163	0.768	0.524	0.735	1.30 B
24	0.094B	0.114B	1.00 B	1.63	0.428	0.128	0.381	0.106	0.942	0.457	3.30	3.50 B
25	0.088B	0.108B	0.780B	0.958	0.372	0.111	5.26	0.091	0.627	0.741	1.46	2.20 B
26	0.300B	0.101B	0.590B	0.945	0.335	0.091	2.32	0.073	0.345	0.703	1.47	1.75 B
27	2.95 B	0.096B	0.460B	1.12	0.318	0.066	1.52	0.064	0.247	0.497	1.19	2.40 B
28	2.60 B	0.091B	0.380B	1.56	0.309	0.051	0.618	0.046	0.170	0.415	0.755	3.20 B
29	2.08 B		0.315B	1.01	0.307	0.051	0.333	0.046	0.134	0.339	1.27	2.00 B
30	1.69 B		0.275B	0.833	0.920	0.045	0.214	0.137	0.107	0.381	1.60	0.800B
31	1.35 B		0.235B		3.48		0.141	0.099		1.39		0.420B
TOTAL	13.997	7.892	6.106	34.286	47.372	8.145	12.864	9.157	8.122	20.388	36.684	57.921
MEAN	0.452	0.282	0.197	1.14	1.53	0.272	0.415	0.295	0.271	0.658	1.22	1.87
MAX	2.95	1.08	1.00	3.00	6.63	1.59	5.26	3.60	2.01	2.87	5.77	12.1
MIN	0.065	0.091	0.047	0.180	0.307	0.036	0.037	0.008	0.021	0.140	0.323	0.170

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.720
MAXIMUM DAILY, 12.1 ON DEC 09
MINIMUM DAILY, 0.008 ON AUG 12
MAXIMUM INSTANTANEOUS,
29.3E AT 16:09 NST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 34 N
LONG 058 06 19 W
DRAINAGE AREA, 17 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 210	JUL	1 110
FEB	682	AUG	791
MAR	528	SEP	702
APR	2 960	OCT	1 760
MAY	4 090	NOV	3 170
JUN	704	DEC	5 000

TOTAL DISCHARGE, 22 700 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 19.0 IS DUE TO CURVE EXTENSION

RATTLING BROOK AT RATTLING BROOK POWERHOUSE - STATION NO. 02YO003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.39	13.8	5.52	7.99	14.0	14.9	13.3	8.69	0	0	8.69	12.7
2	1.10	12.9	5.17	8.78	13.7	12.1	13.1	8.72	0	0	8.83	13.1
3	1.42	12.8	5.83	7.73	14.9	13.3	13.4	7.82	0	0	9.06	12.3
4	2.07	12.8	6.09	7.53	14.4	13.7	13.3	8.55	0	0.283	9.15	12.3
5	1.02	12.7	5.89	7.76	24.7	13.7	13.2	8.55	0	0	9.23	12.3
6	1.33	12.9	5.83	11.1	32.3	13.7	12.6	8.33	0	0	9.15	12.7
7	1.25	12.6	4.62	14.6	30.0	13.8	12.4	8.16	0	0.227	9.00	13.4
8	1.22	11.7	4.42	14.6	24.7	13.7	12.5	8.47	0	0.198	8.95	13.1
9	4.70	13.4	3.77	14.2	18.1	15.0	15.0	7.99	0	0	13.1	13.0
10	1.47	12.5	1.50	14.2	14.7	15.2	12.1	7.76	0	0.736	12.6	13.4
11	1.39	12.2	1.25	14.2	17.7	14.2	12.7	8.78	0	1.87	12.3	14.6
12	1.50	11.9	5.18	14.2	20.8	13.7	12.1	8.47	0	4.19	10.1	14.5
13	1.30	11.6	7.96	14.2	23.6	13.8	11.9	8.83	0	1.78	11.6	14.5
14	1.30	11.7	6.88	14.2	24.5	15.0	12.7	8.86	0	4.28	11.0	14.9
15	1.59	12.1	8.30	14.2	18.9	12.2	11.6	8.86	0	5.52	10.8	14.2
16	0.991	11.3	9.15	14.2	14.2	12.9	11.5	8.83	0	9.17	8.86	14.4
17	1.39	11.5	7.93	14.1	14.4	12.2	11.9	8.86	0	9.00	8.72	14.0
18	1.42	10.4	8.30	14.2	13.9	11.3	8.92	8.83	0	9.00	8.81	14.6
19	5.15	10.8	7.48	14.2	13.9	16.0	9.97	8.83	0	8.81	8.41	14.1
20	1.36	9.63	6.46	14.2	13.9	12.9	9.54	9.43	0	8.98	8.44	14.2
21	1.56	9.97	6.03	14.2	23.9	13.0	8.92	6.17	0	8.69	9.85	13.9
22	5.10	10.1	6.85	15.1	35.7	12.9	8.64	6.00	0	8.64	12.2	14.0
23	6.31	9.15	8.10	15.5	36.0	12.9	8.52	6.17	0	9.58	12.7	14.1
24	5.83	9.09	9.15	13.3	32.6	12.9	8.55	5.92	0	7.96	12.4	13.1
25	6.26	9.03	9.00	13.1	22.6	13.3	8.50	6.09	0	8.64	12.2	9.23
26	6.99	9.26	10.1	11.8	20.9	12.1	8.55	5.61	0	8.10	12.2	9.83
27	10.5	9.49	9.71	13.7	21.1	11.4	8.89	5.89	0	8.21	12.5	9.54
28	12.7	8.13	10.2	13.7	16.0	11.2	8.75	2.32	0	7.90	11.4	9.59
29	12.0		10.6	13.7	12.8	13.0	8.75	5.35	0	8.47	12.2	9.29
30	12.0		9.77	14.0	13.3	14.2	8.81	0.680	0	5.72	12.5	9.15
31	12.7		10.3		13.0		7.33	0		7.11		8.64
												11.5
TOTAL	125.711	315.45	218.34	388.49	625.2	400.2	336.94	222.020	0	152.064	316.65	394.58
MEAN	4.06	11.3	7.04	12.9	20.2	13.3	10.9	7.16	0	4.91	10.6	12.7
MAX	12.7	13.8	10.6	15.5	36.0	16.0	13.4	9.43	0	9.17	13.1	14.9
MIN	0.991	8.13	1.25	7.53	12.8	11.2	7.33	0	0	0	8.41	8.64

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.58
MAXIMUM DAILY, 36.0 ON MAY 23
MINIMUM DAILY, 0 ON AUG 31

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 49 03 12 N
LONG 055 17 12 W
DRAINAGE AREA, 378 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 900	JUL	29 100
FEB	27 300	AUG	19 200
MAR	18 900	SEP	0
APR	33 600	OCT	13 100
MAY	54 000	NOV	27 400
JUN	34 600	DEC	34 100

TOTAL DISCHARGE, 302 000 dam³

RAYMOND BROOK AT OUTLET OF BAY BULLS BIG POND - STATION NO. 02ZM022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.023	1.12	1.67	1.66	1.29	0.079	0.063	0.059E	0.059E	0.059E	1.58	0.082	1
2	0.038	1.11	1.04	1.01	1.27	0.079	0.064	0.059E	0.059E	0.059E	2.65	0.072	2
3	0.032	1.10	0.040	0.045	0.444	0.071	0.067	0.059E	0.059E	0.059E	2.72	1.27	3
4	0.030	1.09	0.048	0.043	0.029	0.075	0.063	0.059E	1.66 E	0.059E	2.70	2.60	4
5	0.030	1.43	0.046	0.042	0.025	0.081	0.065	0.059E	1.66 E	0.059E	2.64	1.33	5
6	0.928	1.65	0.042	0.040	0.024	0.080	0.063	0.059E	1.66 E	0.059E	2.66	0.076	6
7	1.03	1.69	1.06	0.040	0.023	0.079	0.064	0.059E	0.059E	0.059E	2.74	1.52	7
8	1.04	1.66	1.77	0.040	0.021	0.072	0.065	0.080A	0.059E	0.059E	2.76	3.15	8
9	1.03	0.676	1.77	0.039	0.020	0.075	0.064	0.059E	0.059E	0.059E	1.67	3.12	9
10	0.800	0.024	1.77	0.037	0.016	0.077	0.063	1.66 E	0.059E	0.059E	0.087	1.28	10
11	0.034	0.033	1.76	0.038	0.016	0.077	0.061	1.66 E	0.054A	0.059E	0.070	1.55	11
12	0.035	0.033	2.19	0.038	0.016	0.076	0.060	1.66 E	0.059E	2.01 E	0.060	3.02	12
13	0.034	0.034	2.66	0.039	0.016	0.078	0.060	1.66 E	0.059E	2.01 E	1.31	3.19	13
14	0.032	0.580	2.64	0.039	0.018	0.078	0.057	1.66 E	0.059E	2.01 E	2.61	3.19	14
15	0.085	1.59	2.62	0.040	0.019	0.077	0.053	1.66 E	0.059E	0.059E	2.64	3.20	15
16	1.58	2.38	1.12	0.040	0.024	0.075	0.058	1.66 E	0.059E	2.01 E	2.67	1.67	16
17	1.59	2.40	0.051	0.041	0.026	0.069	0.060	1.66 E	0.059E	2.01 E	2.64	0.021	17
18	1.42	2.42	0.049	0.041	0.036	0.068	0.059A	1.66 E	0.059E	2.01 E	2.59	0.021	18
19	0.035	2.43	0.047	0.047	0.046	0.065	0.059E	1.66 E	0.059E	0.059E	1.39	1.33	19
20	1.15	2.38	0.988	1.36	0.065	0.062	0.059E	1.66 E	0.059E	0.059E	0.073	3.39	20
21	1.26	2.41	1.01	1.36	0.070	0.068	0.059E	1.66 E	0.059E	0.059E	1.55	4.24	21
22	1.25	2.35	0.048	1.36	0.076	0.069	0.059E	1.66 E	0.059E	2.64 E	2.55	4.22	22
23	1.25	0.995	0.044	0.613	0.079	0.071	0.059E	1.66 E	0.059E	2.64 E	1.13	4.19	23
24	1.25	0.041	0.041	0.045	0.085	0.075	0.059E	1.66 E	0.059E	2.64 E	0.068	4.17	24
25	1.24	0.045	0.039	0.045	0.093	0.073	0.059E	1.66 E	0.059E	0.059E	0.067	4.14	25
26	0.321	0.044	0.991	0.700	0.095	0.059	0.059E	1.66 E	0.059E	0.059E	0.869	4.12	26
27	0.033	0.850	1.66	1.26	0.082	0.047	0.059E	1.66 E	0.059E	0.059E	2.51	4.09	27
28	0.030	1.67	1.66	1.27	0.079	0.056	0.059E	0.059E	0.059E	0.059E	2.52	4.07	28
29	0.032		1.66	1.30	0.072	0.065	0.059E	0.059E	0.059E	0.063A	2.42	4.05	29
30	0.509		1.66	1.29	0.085	0.066	0.059E	0.059E	0.059E	1.15	1.65	3.97	30
31	1.11		1.66		0.082		0.059E	0.059E		0.081		3.91	31
TOTAL	19.261	34.235	33.854	14.562	4.342	2.142	1.876	30.668	6.568	22.395	53.594	80.252	TOTAL
MEAN	0.621	1.22	1.09	0.485	0.140	0.071	0.061	0.989	0.219	0.722	1.79	2.59	MEAN
MAX	1.59	2.43	2.66	1.66	1.29	0.081	0.067	1.66	1.66	2.64	2.76	4.24	MAX
MIN	0.023	0.024	0.039	0.037	0.016	0.047	0.053	0.059	0.054	0.059	0.060	0.021	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.832
MAXIMUM DAILY, 4.24 ON DEC 21
MINIMUM DAILY, 0.016 ON MAY 10
MAXIMUM INSTANTANEOUS,
4.25 AT 08:32 NST ON DEC 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 25 13 N
LONG 052 48 04 W

A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 660	JUL	162
FEB	2 960	AUG	2 650
MAR	2 920	SEP	567
APR	1 260	OCT	1 930
MAY	375	NOV	4 630
JUN	185	DEC	6 930

TOTAL DISCHARGE, 26 200 dam³

REMARKS - SUBSTANTIAL WATER EXTRACTION FROM DRAINAGE BASIN BY CITY OF ST JOHN'S FOR MUNICIPAL WATER SUPPLY

RIVIERE JOIR NEAR PROVINCIAL BOUNDARY - STATION NO. 02XA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.2 B	7.05B	5.30B	4.30B	12.3B	225	35.7	27.6	20.0	23.6	15.5 B	8.70B	1
2	11.8 B	6.92B	5.25B	4.50B	14.0B	195	34.5	28.3	21.4	22.9	15.0 B	8.60B	2
3	11.5 B	6.85B	5.20B	4.50B	16.0B	184	32.5	35.1	21.6	21.7	14.3 B	8.50B	3
4	11.3 B	6.80B	5.15B	4.80B	19.0B	181	36.7	42.7	20.0	19.6	13.7 B	8.40B	4
5	11.0 B	6.65B	5.10B	5.20B	22.5B	173	51.5	48.1	19.4	18.7	13.2 B	8.30B	5
6	10.8 B	6.60B	5.04B	6.00B	30.0B	168	61.5	51.3	18.0	18.6	12.8 B	8.20B	6
7	10.5 B	6.55B	5.01B	7.50B	42.0B	160	63.4	50.0	17.6	18.4	12.5 B	8.10B	7
8	10.3 B	6.45B	5.00B	8.60B	52.0B	147	62.0	45.2	19.6	18.5	12.2 B	8.02B	8
9	10.1 B	6.40B	4.95B	8.90B	64.0B	131	57.9	39.5	20.5	18.0	12.0 B	7.95B	9
10	9.85B	6.30B	4.91B	8.70B	74.0B	117	56.4	34.6	21.6	17.6	11.8 B	7.85B	10
11	9.70B	6.25B	4.90B	8.35B	82.0B	102	60.1	31.0	22.0	16.6	11.7 B	7.80B	11
12	9.55B	6.15B	4.86B	8.00B	89.0B	89.3	61.6	30.0	20.9	16.1	11.4 B	7.70B	12
13	9.40B	6.05B	4.82B	7.60B	92.0B	78.4	60.2	32.0	20.1	17.3	11.2 B	7.60B	13
14	9.20B	6.00B	4.80B	7.40B	98.0B	69.9	54.9	33.0	18.7	18.6	11.0 B	7.59B	14
15	9.05B	5.99B	4.77B	7.60B	101 B	64.3	48.9	34.3	21.6	21.6	10.8 B	7.50B	15
16	8.85B	5.92B	4.75B	7.90B	110 B	61.0	43.1	36.3	27.5	26.1	10.6 B	7.40B	16
17	8.70B	5.85B	4.70B	8.40B	127 B	62.7	39.5	35.6	30.4	28.9	10.5 B	7.38B	17
18	8.60B	5.81B	4.68B	9.10B	150 B	62.7	37.6	34.7	34.9	29.8	10.3 B	7.30B	18
19	8.45B	5.75B	4.65B	9.30B	170 B	63.9	36.0	32.8	47.4	29.6	10.2 B	7.21B	19
20	8.35B	5.70B	4.60B	9.20B	200 B	62.9	37.1	29.8	55.1	32.7	10.0 B	7.18B	20
21	8.20B	5.65B	4.58B	9.10B	220 B	56.2	38.4	26.8	59.2	37.5	9.90B	7.05B	21
22	8.05B	5.58B	4.55B	8.95B	247	51.3	39.3	24.2	58.7	39.9	9.75B	7.00B	22
23	7.95B	5.51B	4.54B	8.80B	249	45.2	41.5	21.4	54.0	41.5	9.60B	6.95B	23
24	7.85B	5.49B	4.53B	8.65B	247	40.1	42.2	18.2	49.9	38.8	9.50B	6.90B	24
25	7.75B	5.45B	4.50B	8.61B	247	36.9	39.3	16.6	43.9	34.8	9.40B	6.80B	25
26	7.60B	5.40B	4.45B	8.90B	247	34.7	37.7	15.3	39.9	33.0B	9.30B	6.75B	26
27	7.55B	5.38B	4.39B	9.25B	245	32.1	38.3	13.8	35.7	28.5B	9.20B	6.70B	27
28	7.42B	5.31B	4.38B	9.80B	247	31.8	38.6	13.6	32.2	25.0B	9.00B	6.60B	28
29	7.35B		4.37B	10.5 B	256	34.0	36.6	13.4	29.5	22.5B	8.90B	6.59B	29
30	7.20B		4.36B	11.3 B	263	36.2	33.1	16.1	26.8	20.0B	8.80B	6.55B	30
31	7.15B		4.30B		258		30.1	19.1		18.1B		6.50B	31
TOTAL	283.27	169.81	147.39	239.56	4 290.8	2 796.6	1 386.7	930.4	927.7	774.5	334.05	231.67	TOTAL
MEAN	9.14	6.06	4.75	7.99	138	93.2	44.7	30.0	30.9	25.0	11.1	7.47	MEAN
MAX	12.2	7.05	5.30	11.3	263	225	63.4	51.3	59.2	41.5	15.5	8.70	MAX
MIN	7.15	5.31	4.30	4.30	12.3	31.8	30.1	13.4	17.6	16.1	8.80	6.50	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 34.3
MAXIMUM DAILY, 263 ON MAY 30
MINIMUM DAILY, 4.30B ON MAR 31
MAXIMUM INSTANTANEOUS,
266 AT 22:30 NST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 09 50 N
LONG 060 03 34 W
DRAINAGE AREA, 2 060 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 500	JUL	120 000
FEB	14 700	AUG	80 400
MAR	12 700	SEP	80 200
APR	20 700	OCT	66 900
MAY	371 000	NOV	28 900
JUN	242 000	DEC	20 000

TOTAL DISCHARGE, 1 080 000 dam³

NEWFOUNDLAND

ROCKY RIVER NEAR COLINET - STATION NO. 02ZK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.0 B	5.80B	12.5 B	3.27	10.3	12.0	7.36	0.731	5.82	6.57	22.1	10.9	1
2	40.0 B	5.20B	10.0 B	3.02	8.67	8.28	6.41	0.687	4.17	23.0	16.5	9.53	2
3	32.1	4.60B	8.80B	3.14	10.9	7.04	5.96	0.716	3.25	28.2	13.1	18.5	3
4	26.4	4.20B	32.0 B	4.84	14.3	7.41	5.53	0.715	6.52	21.3	10.7	15.5	4
5	13.0 B	4.10B	67.1	24.4	10.6	9.37	5.30	0.662	5.63	16.1	10.1	12.0	5
6	10.8 B	3.85B	32.7	44.2	8.75	28.0	4.81	0.827	4.15	16.6	10.7	11.9	6
7	9.00B	3.60B	24.4	19.5	11.5	20.3	4.08	2.29	3.44	14.9	9.88	16.4	7
8	7.85B	3.48B	18.1	16.5	15.3	47.6	4.33	2.21	3.06	11.9	9.10	11.4	8
9	6.75B	3.35B	12.0 B	13.3	16.1	49.5	5.07	1.67	3.39	9.52	7.69	9.82	9
10	6.15B	3.10B	9.80B	10.1	15.5	25.0	4.88	1.25	3.07	14.6	6.83	38.0	10
11	10.5 B	80.0 B	7.60B	9.52	12.4	17.3	5.54	1.06	7.45	16.2	8.10	27.7	11
12	16.5 B	57.8	6.40B	24.2	10.6	12.8	4.39	0.901	12.8	11.4	20.4	18.1	12
13	20.0	34.4	5.45B	23.8	9.42	9.99	3.67	0.884	7.02	9.24	16.7	12.1	13
14	16.7	22.5 B	4.65B	13.5	8.08	8.37	3.08	0.934	5.11	7.99	12.8	12.4	14
15	10.5 B	16.2 B	4.15B	11.8	7.41	7.18	2.66	20.1	4.09	58.1	10.9	8.88	15
16	8.80B	12.0 B	3.65B	10.7	6.78	6.60	2.35	14.3	3.35	33.8	10.5	9.97	16
17	7.80B	9.80B	3.20B	30.4	5.92	12.9	2.17	7.15	2.94	21.7	11.0	13.1	17
18	10.0 B	8.20B	2.81B	27.0	5.42	15.6	2.15	4.58	3.59	16.3	10.0	25.2	18
19	16.0 B	7.00B	4.50B	17.1	5.30	11.1	1.84	3.88	4.46	12.3	9.40	21.7	19
20	13.0 B	5.80B	7.00B	12.5	14.7	25.4	1.69	4.29	4.62	21.7	17.5	29.5	20
21	10.5 B	5.10B	10.0 B	10.5	18.5	43.1	1.65	3.51	5.21	17.0	14.1	19.1	21
22	8.70B	4.40B	16.4 B	9.45	14.9	31.8	1.71	2.79	7.18	12.2	11.0	15.4	22
23	7.40B	3.90B	13.0 B	21.0	14.1	26.5	1.55	2.25	5.27	10.5	9.37	11.6	23
24	6.30B	12.0 B	10.9 B	48.9	12.5	21.9	1.65	1.93	4.47	9.08	8.77	26.6	24
25	5.50B	40.0 B	9.00B	30.8	10.9	18.0	2.13	1.62	4.49	8.03	10.0	35.1	25
26	5.00B	27.5 B	8.40	21.2	9.56	20.2	2.06	1.39	33.5	8.89	10.6	25.1	26
27	16.0 B	21.5 B	6.54	16.0	8.84	15.1	1.73	1.21	22.8	29.9	11.5	16.8	27
28	25.0 B	17.0 B	5.71	17.6	7.52	11.8	1.37	1.09	13.9	23.5	9.07	12.5	28
29	16.1		5.14	16.0	6.43	11.6	1.16	4.09	10.0	21.6	8.00	10.9 B	29
30	8.97		4.26	12.5	6.08	9.13	1.02	6.52	7.90	21.5	8.00	10.1 B	30
31	7.60B		3.76		13.7		0.879	6.38		29.7		9.70B	31
TOTAL	412.22	426.38	369.92	528.74	330.98	553.87	100.079	102.617	212.65	566.32	344.41	527.50	TOT
MEAN	13.3	15.2	11.9	17.6	10.7	18.5	3.23	3.31	7.09	18.3	11.5	17.0	MEA
MAX	40.0	80.0	67.1	48.9	18.5	49.5	7.36	20.1	33.5	58.1	22.1	38.0	MAX
MIN	5.00	3.10	2.81	3.02	5.30	6.60	0.879	0.662	2.94	6.57	6.83	8.88	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.3
MAXIMUM DAILY, 80.0B ON FEB 11
MINIMUM DAILY, 0.662 ON AUG 05
MAXIMUM INSTANTANEOUS,
86.5 AT 20:42 NST ON JUN 08

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 13 29 N
LONG 053 34 06 W
DRAINAGE AREA, 285 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	35 600	JUL	8 650
FEB	36 800	AUG	8 870
MAR	32 000	SEP	18 400
APR	45 700	OCT	48 900
MAY	28 600	NOV	29 800
JUN	47 900	DEC	45 600

TOTAL DISCHARGE, 387 000 dam³

SALMON COVE RIVER NEAR CHAMPNEYS - STATION NO. 02ZJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	1.05 B	1.65 B	0.520B	1.60B	5.47	3.90	3.10	1.29	0.302	1.07	4.90	2.50B	
2	1.02 B	1.40 B	0.490B	1.48	5.00	3.52	2.69	1.23	0.269	1.81	4.73	2.40B	
3	1.81 B	1.26 B	0.460B	1.55	4.98	3.16	2.33	1.18	0.270	2.39	4.57	3.02	
4	1.69 B	1.09 B	3.80 B	2.23	4.94	2.74	2.05	1.10	0.359	2.54	4.35	3.00	
5	1.58 B	0.970B	7.00 B	3.55	4.61	2.44	1.90	1.00	0.312	2.48	4.21	2.91	
6	1.45 B	0.860B	6.00 B	5.68	4.31	2.53	1.74	0.964	0.266	2.90	3.89	2.94	
7	1.33 B	0.770B	5.00 B	5.92	4.39	2.49	1.54	0.921	0.236	2.91	3.61	3.13	
8	1.22 B	0.700B	4.20 B	8.66	4.11	3.27	1.49	0.844	0.326	2.77	3.28	2.96	
9	1.13 B	0.640B	3.50 B	8.90	4.14	4.79	1.47	0.790	0.463	2.57	3.07	2.84	
10	1.06 B	1.00 B	3.05 B	8.42	4.66	4.33	1.35	0.744	0.405	3.63	2.89	4.27	1
11	1.38 B	1.75 B	2.62 B	7.80	4.48	4.15	1.32	0.683	0.588	4.01	2.73	4.76	1
12	1.40 B	2.92 B	2.31 B	9.99	4.29	3.93	1.26	0.637	0.806	3.71	3.11	4.33	1
13	1.31 B	1.90 B	2.02 B	9.55	4.09	3.59	1.30	0.616	0.698	3.53	3.07	3.76	1
14	1.21 B	1.45 B	1.82 B	8.73	3.78	3.28	1.23	0.613	0.626	3.40	2.88	4.83	1
15	1.00 B	1.14 B	1.62 B	7.81	3.53	2.92	1.19	0.717	0.580	4.46	2.72	3.83A	1
16	0.900B	0.990B	1.48 B	6.86	3.25	2.54	1.09	0.688	0.560	4.45	2.63	2.75E	1
17	0.780B	0.880B	1.35 B	6.23	3.02	2.40	1.01	0.633	0.576	4.01	2.44	3.25E	1
18	0.853B	0.760B	1.97 B	5.73	2.82	2.20	0.957	0.575	0.539	3.65	2.34	5.70E	1
19	1.40 B	0.690B	2.70 B	5.21	2.65	2.05	0.926	0.574	0.546	3.32	2.43	6.00E	1
20	1.30 B	0.650B	3.20 B	4.67	3.97	5.65	1.17	0.619	0.598	3.18	3.32	5.90E	1
21	1.18 B	0.595B	4.15 B	4.25	8.64	6.83	1.28	0.558	0.592	2.85	3.34	5.30E	1
22	1.09 B	0.540B	5.40 B	3.98	11.1	6.95	1.25	0.522	0.616	2.56	3.24	4.25E	1
23	0.960B	0.570B	4.50 B	4.38	11.3	7.70	1.21	0.484	0.616	2.34	3.11	3.75E	1
24	0.860B	0.610B	3.85 B	8.54	11.2	7.03	1.54	0.475	0.629	2.15	3.12	3.45E	1
25	0.800B	0.695B	3.30 B	8.28	10.1	6.72	1.93	0.411	0.610	1.95	3.07	4.50B	2
26	1.55 B	0.650B	2.81 B	8.28	8.70	6.25	1.86	0.377	1.21	1.84	3.00	4.21B	2
27	2.65 B	0.600B	2.50 B	8.01	7.52	5.48	1.76	0.353	1.30	1.99	3.04	3.80B	2
28	3.30 B	0.555B	2.25 B	7.81	6.45	4.74	1.59	0.322	1.17	2.35	2.81	3.25B	2
29	2.90 B		2.01 B	6.75	5.56	4.08	1.55	0.385	1.10	2.21	2.69	2.99B	2
30	2.42 B		1.90 B	6.03	4.89	3.52	1.53	0.365	1.12	2.49	2.60B	2.75B	2
31	1.97 B		1.71 B		4.46		1.37	0.334		3.98		3.00B	3
TOTAL	45.553	28.285	89.490	186.88	172.41	125.18	47.983	21.004	18.288	89.50	97.19	116.33	T
MEAN	1.47	1.01	2.89	6.23	5.56	4.17	1.55	0.678	0.610	2.89	3.24	3.75	M
MAX	3.30	2.92	7.00	9.99	11.3	7.70	2.10	1.29	1.30	4.46	4.90	6.00	M
MIN	0.780	0.540	0.460	1.48	2.65	2.05	0.926	0.322	0.236	1.07	2.34	2.40	M

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.84
MAXIMUM DAILY, 11.3 ON MAY 23
MINIMUM DAILY, 0.236 ON SEP 07
MAXIMUM INSTANTANEOUS,
11.4 AT 23:54 NST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 23 45 N
LONG 053 18 06 W
DRAINAGE AREA, 73.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 940	JUL	4 150
FEB	2 440	AUG	1 810
MAR	7 730	SEP	1 580
APR	16 100	OCT	7 730
MAY	14 900	NOV	8 400
JUN	10 800	DEC	10 100

TOTAL DISCHARGE, 89 700 dam³

SALMON RIVER AT BAY D'ESPOIR POWERHOUSE - STATION NO. 02ZE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	134	137	172	92.6	104	140	100	176	102	109	303	203	1
2	106	160	224	105	97.5	89.8	108	156	89.9	85.6	296	174	2
3	216	301	128	96.3	198	84.0	169	163	70.6	97.9	250	202	3
4	233	285	123	114	253	104	154	148	134	89.3	239	266	4
5	240	280	163	97.8	233	108	199	134	173	82.6	220	213	5
6	261	220	199	82.1	239	99.7	171	158	157	70.0	213	171	6
7	187	196	230	97.8	297	118	171	157	151	81.0	208	134	7
8	228	201	271	114	284	125	193	165	134	89.8	203	133	8
9	240	247	265	148	250	112	169	168	132	89.7	189	114	9
10	233	210	170	141	282	102	144	148	112	93.0	184	108	10
11	202	206	123	143	305	143	149	136	109	117	170	168	11
12	204	208	135	117	231	166	131	131	89.6	101	173	279	12
13	200	233	132	120	200	122	117	158	97.8	77.3	196	271	13
14	192	254	186	161	251	115	90.9	156	106	80.8	187	184	14
15	258	295	177	146	254	145	95.9	140	107	115	195	218	15
16	191	311	189	206	246	163	109	121	104	133	162	150	16
17	179	265	161	101	263	159	170	113	106	178	146	153	17
18	194	335	118	85.2	249	180	149	108	106	154	101	148	18
19	186	266	147	131	241	148	124	94.8	111	134	91.4	119	19
20	293	224	184	132	222	152	124	145	103	162	82.6	132	20
21	212	264	183	107	219	163	91.5	117	105	132	90.7	197	21
22	229	269	169	108	237	197	99.0	98.5	95.2	160	100	189	22
23	224	177	208	136	212	164	130	111	86.4	142	101	156	23
24	180	188	187	218	225	123	130	132	96.3	151	80.8	160	24
25	204	199	182	196	212	145	119	118	91.3	159	98.5	157	25
26	179	219	176	189	173	133	140	111	98.8	167	194	194	26
27	187	233	129	184	123	137	129	124	87.0	177	233	333	27
28	207	210	134	180	101	158	129	158	91.8	178	166	349	28
29	187		150	163	108	171	131	153	77.6	216	118	305	29
30	218		142	161	132	140	176	147	82.6	231	123	195	30
31	151		113		171		178	133		221		243	31
TOTAL	6 437	6 641	5 270	4 072.8	6 612.5	4 106.5	4 290.3	4 278.3	3 206.9	4 074.0	5 114.0	6 018	TOTAL
MEAN	208	237	170	136	213	137	138	138	107	131	170	194	MEAN
MAX	293	335	271	218	305	197	199	176	173	231	303	349	MAX
MIN	134	137	113	82.1	97.5	84.0	90.9	94.8	70.6	70.0	80.8	108	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 165
MAXIMUM DAILY, 349 ON DEC 28
MINIMUM DAILY, 70.0 ON OCT 06

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 59 00 N
LONG 055 51 12 W
DRAINAGE AREA, 5 910 km²

DATA CONTRIBUTED BY -
NEWFOUNDLAND AND LABRADOR HYDRO

REGULATED SINCE 1967

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	556 000	JUL	371 000
FEB	574 000	AUG	370 000
MAR	455 000	SEP	277 000
APR	352 000	OCT	352 000
MAY	571 000	NOV	442 000
JUN	355 000	DEC	520 000

TOTAL DISCHARGE, 5 200 000 dam³

SALMON RIVER NEAR GLENWOOD - STATION NO. 02YQ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.650B	2.50 B	0.305B	0.780B	5.55	2.04	0.429	0.220	0	0.095	14.6	3.80	1
2	0.800B	1.95 B	0.285B	0.700B	13.8	1.89	0.363	0.162	0	0.497	6.08	2.80 B	2
3	1.03 B	1.55 B	0.268B	1.80 B	17.9	1.54	0.330	0.108	0	1.20	4.04	1.90 B	3
4	0.820B	1.28 B	0.250B	4.60 B	10.7	1.25	0.299	0.076	0	1.01	2.73	1.46 B	4
5	0.725B	1.06 B	0.237B	12.0 B	5.93	1.06	0.275	0.058	0	0.968	2.75	1.23 B	5
6	0.640B	0.920B	0.220B	42.0 B	3.96	0.899	0.253	0.041	0	0.949	3.52	1.08 B	6
7	0.575B	0.820B	0.210B	29.0 B	3.49	0.764	0.213	0.029	0	0.901	2.92	1.02 B	7
8	0.520B	0.710B	0.197B	20.0 B	3.55	0.678	0.194	0.018	0.001	0.826	2.28	0.960B	8
9	0.475B	0.630B	0.188B	13.0 B	4.10	0.628	0.165	0.013	0.002	0.824	1.89	1.10 B	9
10	0.425B	0.570B	0.179B	8.70 B	6.77	0.576	0.174	0.009	0.007	2.52	1.74	5.28	10
11	0.400B	1.00 B	0.170B	5.40	7.28	0.521	0.155	0.004	0.020	5.35	1.62	6.05	11
12	0.455B	1.40 B	0.162B	8.22	5.37	0.486	0.165	0.002	0.025	3.98	1.82	3.64 B	12
13	0.518B	1.29 B	0.157B	14.5	4.38	0.440	0.201	0.002	0.044	2.66	2.04	2.68 B	13
14	0.475B	1.14 B	0.150B	9.34	3.38	0.381	0.220	0.002	0.040	2.05	2.17	2.15 B	14
15	0.435B	1.01 B	0.143B	6.60	2.70	0.344	0.212	0.001	0.024	1.75	1.68	2.00 B	15
16	0.405B	0.920B	0.139B	5.29	2.23	0.291	0.190	0.001	0.017	1.51	1.37	1.92 B	16
17	0.375B	0.830B	0.135B	6.71	1.90	0.302	0.167	0.001	0.018	1.25	1.26	2.45 B	17
18	0.360B	0.750B	0.170B	9.11	1.58	0.321	0.155	0	0.017	0.991	1.39	3.55 B	18
19	0.420B	0.680B	0.270B	9.78	1.42	0.300	0.139	0.001	0.014	0.841	2.87	4.52 B	19
20	0.385B	0.620B	0.420B	6.10	2.35	0.386	0.133	0.001	0.016	1.11	6.83	5.50 B	20
21	0.365B	0.565B	0.660B	4.45	20.5	1.15	0.159	0.001	0.030	1.14	5.48	3.58 B	21
22	0.345B	0.515B	1.02 B	4.79	23.0 E	1.37	0.217	0.002	0.069	0.937	3.50	2.66 B	22
23	0.325B	0.475B	1.60 B	5.40	11.1	1.50	0.228	0.001	0.090	0.795	2.86	2.37 B	23
24	0.310B	0.440B	2.45 B	6.88	6.71	1.33	0.265	0	0.090	0.697	5.30	2.20 B	24
25	0.295B	0.407B	3.30 B	6.13	4.74	1.31	1.04	0	0.100	0.647	6.52	3.25 B	25
26	0.280B	0.375B	2.50 B	4.93	3.92	1.42	2.43	0	0.114	0.682	4.66	5.20 B	26
27	1.05 B	0.350B	1.92 B	5.28	3.42	1.17	2.15	0	0.119	0.768	4.11	4.40 B	27
28	2.90 B	0.330B	1.55 B	5.79	3.09	0.880	1.23	0.001	0.113	0.900	2.79	3.75 B	28
29	6.00 B		1.22 B	4.50	2.37	0.687	0.799	0.001	0.105	0.901	3.13	3.45 B	29
30	4.40 E		1.07 B	4.08	1.93	0.547	0.504	0	0.096	0.954	4.05	3.20 B	30
31	3.25 B		0.915B		1.82		0.299	0		6.16		2.85 B	31
TOTAL	30.408	25.107	22.460	265.860	190.94	26.461	13.753	0.755	1.171	45.863	108.00	91.700	TOTAL
MEAN	0.981	0.897	0.725	8.86	6.16	0.882	0.444	0.024	0.039	1.48	3.60	2.96	MEAN
MAX	6.00	2.50	3.30	42.0	23.0	2.04	2.43	0.220	0.119	6.16	14.6	6.05	MAX
MIN	0.280	0.330	0.135	0.700	1.42	0.291	0.133	0	0	0.095	1.26	0.960	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.25
MAXIMUM DAILY, 42.0B ON APR 06
MINIMUM DAILY, 0 ON AUG 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 41 N
LONG 054 55 03 W
DRAINAGE AREA, 80.8 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 630	JUL	1 190
FEB	2 170	AUG	65.2
MAR	1 940	SEP	101
APR	23 000	OCT	3 960
MAY	16 500	NOV	9 330
JUN	2 290	DEC	7 920

TOTAL DISCHARGE, 71 100 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 22.6 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

SALMONIER RIVER NEAR LAMALINE - STATION NO. 02ZG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5.00B	4.30B	1.44 B	0.920B	2.01	2.63	1.61	0.484	0.408	1.71	8.79	2.30B
2	38.0	3.70B	4.00 B	1.50 B	1.81	2.33	1.31	0.489	0.351	12.6	5.87	2.05B
3	20.1	3.00B	8.20 B	2.50 B	6.13	2.08	1.13	0.447	0.321	17.7	3.90	1.85B
4	13.2	2.50B	23.0 B	4.44	6.77	1.74	0.968	0.399	0.311	16.7	3.04	1.67B
5	9.11	2.20B	21.2	18.3	5.08	8.95	0.860	0.341	0.325	9.59	2.48	1.55B
6	7.60B	1.98B	10.4	21.9	4.20	18.1	0.697	0.368	0.254	6.98	2.08	1.91B
7	6.25B	1.78B	5.28	13.0	8.12	11.7	0.548	0.331	0.200	5.21	1.88B	2.50B
8	5.30B	1.62B	3.71	15.1	8.66	14.7	0.509	0.295	0.273	3.73	1.68B	3.20
9	4.45B	2.83B	2.35 B	10.5	6.85	11.8	0.455	0.243	0.382	2.73	1.50B	5.31
10	3.92B	15.0 B	1.92 B	6.37	5.20	7.55	0.578	0.210	0.368	4.09	1.38B	17.7
11	5.82B	52.5 B	1.63 B	6.80	3.91	4.87	0.756	0.206	0.967	5.14	3.57	14.2
12	8.00B	31.8	1.45 B	23.2	5.77	3.43	0.663	0.185	1.63	4.00	9.21	7.36
13	10.1 B	11.3	1.27 B	19.3	6.14	2.44	0.545	0.173	1.42	3.15	8.26	3.60
14	8.00B	5.70B	1.08 B	9.84	4.87	1.75	0.436	0.249	1.15	2.58	5.85	2.10B
15	6.40B	4.15B	0.950B	5.59	4.01	1.59	0.353	1.17	1.17	17.0	4.33	3.10B
16	5.20B	3.48B	0.860B	4.06	3.29	1.48	0.328	1.73	1.04	14.5	3.34	4.80B
17	3.60B	2.81B	0.800B	8.93	2.64	4.31	0.626	1.61	1.03	8.21	2.69	5.90B
18	5.00B	2.30B	1.40 B	8.53	2.19	6.70	1.18	1.46	0.910	5.05	2.29	8.00B
19	7.60B	1.98B	2.55 B	6.07	2.35	5.39	1.01	1.35	0.794	3.68	3.54	13.0
20	5.80B	1.73B	2.15 B	4.79	9.22	9.94	0.873	1.14	0.762	3.90	7.49	14.3
21	4.60B	1.51B	1.83 B	3.70	11.4	13.1	0.858	0.886	0.681	3.35	6.49	8.36
22	3.70B	1.38B	17.5	4.42	8.38	11.9	0.879	0.754	0.713	2.52	4.70	8.12
23	2.63B	1.92B	9.80	13.1	5.14	9.25	0.761	0.661	0.674	2.12	3.76	12.4
24	2.15B	3.40B	6.71	21.0	3.95	5.59	1.53	0.508	1.58	1.81	6.66	12.5
25	4.00B	6.00B	4.50	17.8	2.77	6.31	2.11	0.451	4.08	1.74	8.13	14.2
26	8.00B	4.70B	2.99	9.47	1.91	5.85	1.71	0.347	6.61	1.83	7.60	9.06
27	13.2 B	3.10B	2.11	5.77	1.58	4.41	1.37	0.322	5.08	4.23	6.05	5.08
28	10.7 B	2.28B	1.66 B	4.61	1.42	3.23	1.18	0.313	4.45	9.62	4.03	3.80B
29	8.30B		1.39 B	3.28	1.20	2.35	1.02	0.397	3.14	7.65	3.16	3.10B
30	6.70B		1.21 B	2.42	1.32	1.86	0.800	0.436	2.27	9.53	2.65B	2.70B
31	5.50B		1.03 B		2.57		0.587	0.429		11.1		2.39B
TOTAL	247.93	180.95	146.370	278.010	140.86	189.33	28.240	18.284	44.344	203.73	136.40	198.21
MEAN	8.00	6.46	4.72	9.27	4.54	6.31	0.911	0.590	1.48	6.57	4.55	6.39
MAX	38.0	52.5	23.0	23.2	11.4	18.1	2.11	1.73	6.61	17.7	9.21	17.7
MIN	2.15	1.38	0.800	0.920	1.20	1.48	0.328	0.173	0.200	1.71	1.38	1.55

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.97
MAXIMUM DAILY, 52.5B ON FEB 11
MINIMUM DAILY, 0.173 ON AUG 13
MAXIMUM INSTANTANEOUS
100E AT 12:30 NST ON FEB 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 52 29 N
LONG 055 46 39 W
DRAINAGE AREA, 115 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 400	JUL	2 440
FEB	15 600	AUG	1 580
MAR	12 600	SEP	3 830
APR	24 000	OCT	17 600
MAY	12 200	NOV	11 800
JUN	16 400	DEC	17 100

TOTAL DISCHARGE, 157 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 91.2 IS DUE TO CURVE EXTENSION

SANDY BROOK AT SANDY BROOK POWERHOUSE - STATION NO. 02YO004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.93	17.2	3.23	7.08	31.4	7.19	9.68	4.76	0.850	0	18.8	17.4
2	3.11	18.8	5.66	9.26	44.7	8.61	8.83	2.94	0.736	3.23	16.8	10.2
3	4.81	18.8	5.07	1.67	83.0	8.41	2.32	2.58	0	0.651	9.77	15.0
4	4.08	17.8	3.11	12.8	90.3	9.29	4.84	1.84	1.16	3.06	12.1	19.0
5	3.65	10.9	2.15	16.4	74.8	11.1	3.62	3.79	1.08	1.19	17.9	10.1
6	4.33	13.5	1.64	19.5	54.7	17.4	3.60	3.28	0.821	1.59	9.40	11.3
7	4.08	12.2	2.29	46.7	48.1	17.0	2.83	1.27	0	2.49	10.8	15.2
8	1.98	10.6	5.49	73.1	42.2	17.0	2.38	2.44	0.821	2.04	19.1	10.8
9	4.22	11.5	1.78	96.6	36.5	7.95	2.40	3.71	0	3.45	11.8	15.5
10	4.16	11.0	3.71	88.3	36.2	12.7	2.41	1.56	0.934	12.0	19.2	19.5
11	3.37	8.61	2.52	54.7	34.0	9.88	1.47	0	0	3.00	13.5	18.1
12	5.44	7.96	2.72	51.0	34.5	10.2	1.30	2.52	1.42	5.04	9.80	17.8
13	5.38	8.18	2.38	63.1	34.5	6.99	2.24	0.963	0	3.26	10.0	12.7
14	4.36	9.43	2.27	63.4	29.4	7.08	2.29	1.10	0.821	3.60	13.8	16.8
15	2.83	5.75	2.78	55.2	25.8	5.64	0	1.05	0	8.92	8.98	8.69
16	4.42	7.45	3.26	40.8	22.0	8.35	3.09	1.53	0.708	5.24	8.98	16.1
17	3.62	4.73	1.95	40.8	19.5	10.7	1.70	1.78	0.227	13.8	9.03	17.8
18	4.84	5.66	8.07	56.4	18.1	12.9	2.29	1.27	0	7.48	10.2	15.8
19	3.45	5.18	7.08	55.8	18.4	9.77	3.68	1.98	0.708	0	11.3	18.4
20	2.55	5.01	2.32	50.4	18.8	9.15	5.64	1.84	0.283	7.70	19.2	17.9
21	4.45	3.17	2.66	46.2	18.6	18.1	0	0.991	1.30	10.6	18.4	17.4
22	3.68	5.32	6.74	43.3	20.3	14.9	0.708	0.878	0	7.28	15.3	14.8
23	3.34	4.56	5.86	37.9	19.9	6.71	0	1.33	0.850	13.8	16.1	12.4
24	2.92	3.14	8.72	43.3	19.3	9.32	0.680	1.22	0	13.7	17.4	18.4
25	2.58	3.96	7.42	35.4	18.5	10.1	11.1	1.44	1.16	5.95	19.2	19.2
26	6.51	7.28	11.8	40.5	18.7	9.60	11.4	0.481	0	5.97	19.2	13.7
27	15.7	2.35	12.9	43.3	18.8	8.95	5.04	0.736	1.50	8.50	19.2	17.8
28	14.6	3.77	5.64	40.5	19.0	8.52	9.80	0	0	7.87	18.8	11.0
29	18.1		9.60	34.8	18.1	9.49	4.67	1.30	0	2.80	19.1	15.3
30	18.2		7.11	31.1	12.9	7.05	4.22	0.850	1.36	11.8	17.4	12.8
31	18.3		5.61		19.0		3.74	0.481		0		16.6
TOTAL	187.99	237.81	153.54	1 299.31	1 000.0	309.15	118.968	51.910	16.739	182.011	440.56	474.49
MEAN	6.06	8.49	4.95	43.3	32.3	10.3	3.84	1.67	0.558	5.87	14.7	15.3
MAX	18.3	18.8	12.9	96.6	90.3	18.1	11.4	4.76	1.50	13.8	19.2	19.5
MIN	1.98	2.18	1.64	1.67	12.9	5.64	0	0	0	0	8.98	8.69

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.3
MAXIMUM DAILY, 96.6 ON APR 09
MINIMUM DAILY, 0 ON JUL 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 48 53 18 N
LONG 055 49 14 W
DRAINAGE AREA, 508 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 200	JUL	10 300
FEB	20 500	AUG	4 490
MAR	13 300	SEP	1 450
APR	112 000	OCT	15 700
MAY	86 400	NOV	38 100
JUN	26 700	DEC	41 000

TOTAL DISCHARGE, 386 000 dam³

NEWFOUNDLAND

SEAL COVE BROOK NEAR CAPPAHAYDEN - STATION NO. 02ZH009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.02	1.72 B	1.69	0.852	1.85	3.29	1.82	0.525	0.828	2.13	5.62	4.63	1
2	13.4	1.42 B	1.38	0.789	1.55	2.66	1.75	0.500	0.793	12.8	4.26	4.14	2
3	7.75	1.21 B	2.10	0.779	1.46	2.14	1.53	0.484	0.752	15.5	3.31	6.32	3
4	5.01	1.06 B	14.1	0.790	1.70	1.70	1.42	0.466	0.704	9.07	2.50	4.72	4
5	3.47	0.920B	13.9	1.43	1.57	1.47	1.24	0.445	0.643	5.74	2.12	3.06	5
6	2.92	0.820B	7.55	4.05	1.79	2.85	1.10	0.841	0.558	4.08	1.72	3.40	6
7	5.04	0.735B	4.37	3.45	5.57	3.58	0.995	4.41	0.535	3.18	1.58	3.07	7
8	1.58	0.660B	2.65	3.61	5.49	5.72	1.23	2.31	0.600	2.45	1.65	2.42	8
9	1.30	0.600B	1.64	3.03	3.87	8.53	1.28	1.29	0.551	1.87	1.61	1.96	9
10	1.05	1.10 B	1.28	2.31	3.07	5.64	1.57	1.66	0.507	1.78	1.44	5.67	10
11	1.49	14.2	1.07	2.31	2.54	4.08	2.48	1.35	0.634	1.64	1.34	6.91	11
12	2.96	10.8	0.951	3.67	2.22	3.09	2.03	1.16	1.52	1.54	1.68	4.89	12
13	6.71	6.33	0.855	4.09	2.02	2.46	1.52	1.04	1.48	1.46	5.32	5.89	13
14	4.75	3.92	0.745	3.15	1.73	1.98	1.20	1.04	1.18	1.35	4.30	3.61	14
15	3.07	2.29	0.638	2.42	1.53	1.65	1.06	3.59	0.958	3.53	3.44	3.23	15
16	2.22	1.50 B	0.590	1.89	1.36	1.45	0.913	5.00	0.862	4.08	2.80	2.88	16
17	1.80	1.20 B	0.577	2.89	1.21	2.51	0.875	3.76	0.812	3.02	2.41	2.84	17
18	1.83	0.990B	0.693	5.59	1.04	3.53	0.913	2.77	0.884	2.28	2.04	4.56	18
19	6.15	0.860B	1.25	4.05	1.19	2.92	0.858	2.10	1.05	1.79	1.85	4.60	19
20	4.03	0.750B	1.46	2.91	8.21	3.22	0.808	1.79	1.19	3.16	1.74	7.08	20
21	2.64	0.675B	2.33	2.14	9.08	4.90	0.775	1.40	1.45	3.21	1.66	5.16	21
22	2.42	0.600B	6.42	1.73	7.47	6.98	0.767	1.16	1.85	2.37	1.51	4.21	22
23	1.72	0.540B	4.07	2.40	6.70	5.28	0.727	1.00	1.51	1.91	1.42	4.54	23
24	1.41	2.50 B	3.24	4.98	5.17	4.06	0.768	0.897	1.24	1.59	1.51	7.75	24
25	1.25	8.95	2.55	4.48	3.95	3.97	0.824	0.810	1.23	1.40	1.71	8.22	25
26	1.24	5.16	2.05	3.40	3.03	4.08	0.810	0.748	12.1	1.58	1.96	6.03	26
27	8.03	3.48	1.64	2.77	2.33	3.07	0.734	0.663	9.42	4.56	2.36	3.92	27
28	7.20	2.23	1.32	2.94	1.85	2.34	0.672	0.604	6.29	8.37	1.75	2.29	28
29	4.56		1.14	2.82	1.54	1.83	0.639	0.671	4.32	5.98	1.55	2.39	29
30	2.78		1.00	2.27	1.54	1.51	0.603	0.762	3.02	5.38	1.62	5.16	30
31	2.09B		0.906		3.64		0.559	0.837		7.10		2.34	31
TOTAL	111.89	77.220	86.155	83.990	97.27	102.49	34.470	48.123	59.471	125.90	71.78	132.89	TOTAL
MEAN	3.61	2.76	2.78	2.80	3.14	3.42	1.11	1.55	1.98	4.06	2.39	4.29	MEAN
MAX	13.4	14.2	14.1	5.59	9.08	8.53	2.48	5.00	12.1	15.5	5.62	8.22	MAX
MIN	1.05	0.540	0.577	0.779	1.04	1.45	0.559	0.445	0.507	1.35	1.34	1.96	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.83
MAXIMUM DAILY, 15.5 ON OCT 03
MINIMUM DAILY, 0.445 ON AUG 05
MAXIMUM INSTANTANEOUS,
23.6 AT 16:28 NST ON OCT 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 50 50 N
LONG 052 58 27 W
DRAINAGE AREA, 53.6 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 670	JUL	2 980
FEB	6 670	AUG	4 160
MAR	7 440	SEP	5 140
APR	7 260	OCT	10 900
MAY	8 400	NOV	6 200
JUN	8 860	DEC	11 500

TOTAL DISCHARGE, 89 200 dam³

SHEARSTOWN BROOK AT SHEARSTOWN - STATION NO. 02ZL004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.800B	0.600B	0.350B	0.190B	0.830	0.776	0.651	0.076	0.109	0.333	1.67	0.875	1
2	9.21	0.520B	0.300B	0.155B	0.736	0.611	0.570	0.070	0.096	1.09	1.30	0.854	2
3	8.18	0.440B	0.900B	0.224	0.857	0.518	0.497	0.065	0.094	1.76	1.04	2.27	3
4	4.09	0.395B	11.3 B	0.420	0.988	0.463	0.505	0.064	0.193	1.23	0.914	1.57	4
5	1.52	0.360B	5.09	1.23	0.795	0.746	0.625	0.056	0.206	0.872	1.01	1.14	5
6	1.00 B	0.330B	1.74	3.60	0.704	1.94	0.615	0.061	0.165	0.841	0.983	1.27	6
7	0.680B	0.300B	1.10	1.54	0.947	1.49	0.450	0.070	0.130	0.765	0.874	1.43	7
8	0.640B	0.275B	0.680B	1.25	1.25	2.17	0.439	0.073	0.123	0.612	0.844	1.13	8
9	0.580B	0.255B	0.520B	1.06	1.41	3.11	0.494	0.072	0.146	0.517	0.759	0.975	9
10	0.510B	1.10 B	0.420B	0.788	1.75	1.69	0.428	0.063	0.136	0.883	0.753	2.15	10
11	0.440B	12.3 B	0.340B	0.792	1.32	1.20	0.401	0.060	0.158	1.06	0.959	1.92	11
12	0.680B	4.91	0.295B	4.82	1.05	0.963	0.334	0.051	0.235	0.776	1.77	1.17	12
13	0.900B	1.77	0.230B	4.48	0.902	0.813	0.275	0.053	0.212	0.655	1.53	0.831	13
14	0.730B	1.05	0.210B	2.17	0.770	0.683	0.231	0.055	0.172	0.598	1.23	0.973	14
15	0.625B	0.800B	0.165B	1.39	0.716	0.627	0.207	0.178	0.146	4.45	1.05	0.838	15
16	0.585B	0.640B	0.135B	1.04	0.698	0.593	0.181	0.240	0.138	2.94	1.15	0.759	16
17	0.540B	0.530B	0.110B	2.24	0.648	1.65	0.172	0.190	0.116	1.49	1.17	1.16	17
18	0.680B	0.460B	0.266	2.04	0.601	1.47	0.166	0.138	0.144	1.04	1.05	1.75	18
19	0.980B	0.410B	1.44	1.31	0.756	0.967	0.157	0.122	0.188	0.863	0.969	1.80	19
20	1.10 B	0.365B	0.948	0.938	4.97	2.34	0.142	0.145	0.230	2.01	1.36	2.49	20
21	0.840B	0.330B	0.882	0.769	4.43	2.94	0.143	0.143	0.238	1.32	1.22	1.41	21
22	0.780B	0.295B	3.55	0.737	3.35	2.49	0.138	0.115	0.257	0.918	0.974	1.17	22
23	0.600B	0.280B	1.27	1.46	2.42	2.93	0.121	0.093	0.239	0.775	0.855	1.15	23
24	0.550B	0.600B	1.24	4.97	1.66	1.74	0.118	0.080	0.214	0.685	0.828	2.22	24
25	0.500B	1.00 B	1.10	2.77	1.33	2.13	0.123	0.064	0.201	0.627	0.821	3.76	25
26	0.580B	0.800B	0.638	1.60	1.12	1.91	0.121	0.057	1.94	0.675	0.830	2.01	26
27	3.23	0.560B	0.420B	1.20	0.958	1.27	0.115	0.054	1.56	1.92	0.855	1.14	27
28	2.96	0.450B	0.340B	1.70	0.816	0.979	0.101	0.050	0.834	4.18	0.729	1.03 B	28
29	1.47		0.290B	1.39	0.692	0.908	0.086	0.086	0.560	2.17	0.689	0.885	29
30	1.00 B		0.250B	1.04	0.622	0.747	0.097	0.103	0.432	1.76	0.725	0.829	30
31	0.740B		0.220B		0.931		0.090	0.115		2.06		0.930	31
TOTAL	47.720	32.125	36.739	49.313	41.027	42.864	8.793	2.862	9.612	41.875	30.911	43.889	TOTAL
MEAN	1.54	1.15	1.19	1.64	1.32	1.43	0.284	0.092	0.320	1.35	1.03	1.42	MEAN
MAX	9.21	12.3	11.3	4.97	4.43	3.11	0.651	0.240	1.94	4.45	1.77	3.76	MAX
MIN	0.440	0.255	0.110	0.155	0.601	0.463	0.086	0.050	0.094	0.333	0.689	0.759	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.06
MAXIMUM DAILY, 12.3B ON FEB 11
MINIMUM DAILY, 0.050 ON AUG 28
MAXIMUM INSTANTANEOUS,
20.1E AT 17:10 NST ON MAR 04

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 35 02 N
LONG 053 18 29 W
DRAINAGE AREA, 28.9 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 120	JUL	760
FEB	2 780	AUG	247
MAR	3 170	SEP	830
APR	4 260	OCT	3 620
MAY	3 540	NOV	2 670
JUN	3 700	DEC	3 790

TOTAL DISCHARGE, 33 500 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 15.5 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

SHEFFIELD BROOK NEAR TRANS CANADA HIGHWAY - STATION NO. 02YK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	5.45B	11.1 B	3.45B	3.20B	22.8	27.2	5.78	6.55	1.78	3.71	13.7	16.8	1
2	5.30B	10.3 B	3.35B	3.15B	35.3	26.6	5.51	6.46	1.69	3.54	12.9	15.5	2
3	5.10B	9.80B	3.25B	4.70B	50.6	25.8	5.12	5.88	1.63	3.46	12.3	14.0	3
4	4.90B	9.25B	3.16B	7.50B	55.2	24.3	4.91	5.35	1.49	3.36	11.8	12.9	4
5	4.75B	8.75B	3.04B	11.0 B	53.8	22.8	4.56	5.07	1.36	3.23	13.5	11.7	5
6	4.65B	8.14B	3.00B	16.0 B	50.3	20.8	4.19	4.79	1.27	3.11	13.1	10.7	6
7	4.45B	7.80B	2.95B	25.1	45.3	18.5	3.99	4.41	1.18	2.98	12.5	9.71	7
8	4.35B	7.45B	2.90B	28.9	41.2	16.5	3.71	4.27	1.23	2.90	11.7	8.99	8
9	4.20B	7.10B	2.84B	29.0	38.0	14.7	3.46	3.98	1.16	2.86	10.9	9.10	9
10	4.10B	6.80B	2.79B	27.0	37.7	13.1	3.39	3.75	1.09	6.48	10.2	11.1	10
11	3.95B	6.50B	2.72B	24.9	37.4	11.7	3.45	3.55	1.08	6.15	10.0	11.1	11
12	3.87B	6.20B	2.67B	24.2	39.4	10.7	3.27	3.43	1.04	6.06	9.42	10.2	12
13	3.77B	5.95B	2.63B	23.4	40.3	10.1	3.11	4.02	0.994	6.12	8.93	9.38	13
14	3.69B	5.70B	2.59B	22.0	40.4	9.79	3.00	3.74	0.952	6.94	8.37	8.77	14
15	3.55B	5.40B	2.52B	20.6	39.8	9.75	2.90	3.36	0.909	8.70	7.93	8.14	15
16	3.47B	5.21B	2.45B	19.9	38.3	8.53	2.78	3.03	0.872	8.68	7.45	7.74	16
17	3.39B	5.02B	2.65B	23.3	36.6	7.69	2.67	2.75	0.908	7.94	7.13	8.07	17
18	3.30B	4.82B	3.05B	28.0	34.8	7.20	2.57	2.69	1.44	7.55	6.90	8.36	18
19	3.24B	4.70B	3.50B	30.0	32.3	7.29	2.53	4.36	1.37	7.43	7.68	10.6	19
20	3.15B	4.55B	4.20B	29.5	30.0	8.78	2.56	4.16	1.64	9.28	11.1	12.5	20
21	3.08B	4.40B	4.65B	29.7	29.3	9.22	2.48	3.57	3.48	9.44	12.5	11.8	21
22	3.00B	4.21B	4.50B	29.8	30.0	8.63	2.60	3.23	3.35	9.28	12.9	11.2	22
23	2.93B	4.08B	4.30B	27.9	30.3	8.09	2.51	2.98	3.11	8.95	14.0	13.0 B	23
24	2.88B	3.98B	4.18B	26.6	28.6	7.62	3.02	2.79	4.55	8.58	23.2	12.5 B	24
25	2.78B	3.87B	4.02B	24.0	26.1	7.59	5.88	2.55	4.40	9.28	21.8	11.6 B	25
26	2.69B	3.72B	3.90B	22.4	24.0	7.11	7.32	2.50	4.14	8.82	21.8	11.0 B	26
27	2.50B	3.65B	3.79B	22.4	22.9	6.74	8.13	2.39	4.06	8.57	21.3	10.1 B	27
28	9.70B	3.57B	3.65B	22.4	22.5	6.41	8.16	2.25	4.01	8.35	19.7	9.70B	28
29	15.0 B		3.51B	21.4	22.2	6.26	7.87	2.14	3.81	8.02	19.2	9.00B	29
30	11.5 B		3.41B	20.3	22.9	5.88	7.39	2.04	3.69	8.24	18.6	8.40B	30
31	12.1 B		3.31B		26.3		6.95	1.91		12.9		8.00B	31
TOTAL	155.78	172.02	102.93	648.25	1 085.6	375.38	135.77	113.95	63.685	210.91	392.51	331.26	TOT
MEAN	5.03	6.14	3.32	21.6	35.0	12.5	4.38	3.68	2.12	6.80	13.1	10.7	MEA
MAX	15.0	11.1	4.65	30.0	55.2	27.2	8.16	6.55	4.55	12.9	23.2	16.8	MAX
MIN	2.69	3.57	2.45	3.15	22.2	5.88	2.48	1.91	0.872	2.86	6.90	7.74	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 55.2 ON MAY 04
MINIMUM DAILY, 0.872 ON SEP 16
MAXIMUM INSTANTANEOUS,
55.8 AT 15:12 NST ON MAY 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 20 11 N
LONG 056 39 56 W
DRAINAGE AREA, 391 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 500	JUL	11 700
FEB	14 900	AUG	9 850
MAR	8 890	SEP	5 500
APR	56 000	OCT	18 200
MAY	93 800	NOV	33 900
JUN	32 400	DEC	28 600

TOTAL DISCHARGE, 327 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "SHEFFIELD RIVER NEAR TRANS CANADA HIGHWAY" TO 1985.

SHOAL ARM BROOK NEAR BADGER BAY - STATION NO. 02YP001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.252B	4.20 B	0.353B	0.740B	4.76	2.75 E	0.670E	0.787	0.391	0.383	10.4	2.35	1
2	0.760B	3.50 B	0.330B	0.630B	11.6	3.20 E	0.630E	0.723	0.350	0.616	6.61	2.03	2
3	0.685B	3.00 B	0.320B	0.590B	20.9	2.95 E	0.590E	0.619	0.315	0.613	4.41	1.67	3
4	0.600B	2.51 B	0.310B	1.85 B	15.1	2.55 E	0.560E	0.564	0.280	0.530	3.10	1.77	4
5	0.530B	2.22 B	0.295B	4.00 B	9.27	2.20 E	0.520E	0.535	0.272	0.535	3.35	1.25	5
6	0.485B	1.98 B	0.280B	12.8 B	6.64	1.95 E	0.500E	0.483	0.249	0.544	3.00	1.13	6
7	0.438B	1.75 B	0.275B	10.0 B	5.74	1.75 E	0.480E	0.451	0.218	0.516	2.40	1.04	7
8	0.401B	1.55 B	0.262B	7.20 B	5.05	1.58 E	0.450E	0.402	0.225	0.456	2.06	1.01	8
9	0.386B	1.37 B	0.255B	5.80 B	5.09A	1.40 E	0.520E	0.383	0.236	0.452	1.84	1.74	9
10	0.360B	1.26 B	0.247B	4.00 B	4.40E	1.26 E	0.620E	0.386	0.246	1.96	1.73	5.47	10
11	0.341B	1.15 B	0.240B	3.15 B	3.95E	1.14 E	0.700E	0.359	0.230	2.10	1.63	4.45	11
12	0.321B	1.05 B	0.232B	2.80 B	3.45E	1.04 E	0.850A	0.341	0.210	1.70	1.79	3.60B	12
13	0.301B	0.950B	0.227B	3.55 B	3.05E	0.960E	1.04	0.315	0.200	1.60	1.58	3.00B	13
14	0.290B	0.880B	0.221B	3.15 B	2.73E	0.860E	0.822	0.287	0.195	1.49	1.37	2.60B	14
15	0.270B	0.820B	0.215B	2.75 B	2.50E	0.800E	0.689	0.286	0.199	1.55	1.25	2.30B	15
16	0.255B	0.760B	0.213B	2.60 B	2.23E	0.750E	0.612	0.277	0.188	1.42	1.14	2.01B	16
17	0.245B	0.701B	0.245B	3.60 B	2.02E	0.700E	0.557	0.237	0.187	1.20	1.15	1.95B	17
18	0.235B	0.650B	0.330B	5.50 B	1.85E	0.665E	0.514	0.215	0.178	1.04	1.43	1.85B	18
19	0.233B	0.620B	0.430B	5.10 B	1.64E	0.630E	0.485	1.17	0.180	1.01	2.41	1.60B	19
20	0.210B	0.580B	0.600B	4.60 B	1.80E	0.600E	0.608	1.35	0.216	1.50	4.74	2.00B	20
21	0.202B	0.540B	0.820B	4.05 B	4.00E	0.780E	0.495	1.12	0.645	1.15	4.36	2.50B	21
22	0.192B	0.510B	1.12 B	3.55 B	10.5 E	0.900E	0.497	0.955	0.594	1.06	5.09	2.10B	22
23	0.182B	0.480B	1.50 B	3.20 B	9.80E	1.10 E	0.486	0.769	0.435	0.984	5.14	1.80B	23
24	0.175B	0.455B	2.02 B	2.80 B	6.40E	1.20 E	0.600	0.608	0.609	0.886	6.27	1.60E	24
25	0.170B	0.430B	2.55 B	2.55 B	4.90E	1.10 E	2.13	0.550	0.628	0.988	4.93	1.90B	25
26	0.460B	0.405B	3.10 B	2.32 B	3.65E	0.960E	2.21	0.515	0.509	1.01	3.83	2.20B	26
27	2.10 B	0.390B	2.00 B	2.12 B	3.02E	0.870E	1.81	0.468	0.478	1.52	3.10	1.82B	27
28	10.0 B	0.370B	1.60 B	1.92 B	2.46E	0.820E	1.50	0.478	0.424	1.63	2.53	1.62B	28
29	7.80 B		1.32 B	1.79 B	2.22E	0.760E	1.19	0.444	0.381	1.44	2.55	1.55B	29
30	6.20 B		1.15 B	1.65 B	2.00E	0.720E	0.999	0.461	0.404	1.96	2.86	1.40B	30
31	5.05 B		0.920B		1.83E		0.890	0.442		11.0		1.32B	31
TOTAL	40.129	35.081	23.980	110.360	164.55	38.945	25.224	17.180	9.872	44.843	98.05	64.58	TOTA
MEAN	1.29	1.25	0.774	3.68	5.31	1.30	0.814	0.554	0.329	1.45	3.27	2.08	MEAN
MAX	10.0	4.20	3.10	12.8	20.9	3.20	2.21	1.37	0.645	11.0	10.4	5.47	MAX
MIN	0.170	0.370	0.213	0.590	1.64	0.600	0.450	0.215	0.178	0.383	1.14	1.01	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.84
MAXIMUM DAILY, 20.9 ON MAY 03
MINIMUM DAILY, 0.170B ON JAN 25
MAXIMUM INSTANTANEOUS,
21.9 AT 09:30 NST ON MAY 03

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 18 N
LONG 055 48 44 W
DRAINAGE AREA, 63.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 470	JUL	2 180
FEB	3 030	AUG	1 480
MAR	2 070	SEP	853
APR	9 540	OCT	3 870
MAY	14 200	NOV	8 470
JUN	3 360	DEC	5 580

TOTAL DISCHARGE, 58 100 dam³

SHOAL HARBOUR RIVER NEAR CLARENVILLE - STATION NO. 02ZJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.40 B	3.90B	1.07 B	1.57	7.79	4.09	3.82	0.774	0.098	1.06	7.12	4.10	1
2	4.60 B	3.45B	0.960B	2.84	7.72	3.45	3.21	0.804	0.094	1.92	5.57	3.96	2
3	3.90 B	2.80B	1.80 B	2.41	8.08	2.92	2.77	0.720	0.146	2.40	4.74	3.79	3
4	3.35 B	2.35B	3.20 B	5.07	6.81	2.58	2.83	0.558	0.362	2.87	4.01	3.40	4
5	2.86 B	2.08B	4.99 B	15.5	5.93	2.35	2.90	0.513	0.239	2.67	3.95	3.04	5
6	2.48 B	1.80B	3.75 B	18.0	5.42	2.49	2.54	0.542	0.167	3.78	3.88	3.45	6
7	2.15 B	1.62B	3.05 B	15.4	5.29	2.35	2.27	0.492	0.116	3.43	3.89	3.68	7
8	1.88 B	1.45B	2.60 B	20.8	5.49	4.32	2.67	0.480	0.327	3.01	3.80	3.27	8
9	1.65 B	1.30B	2.15 B	14.8	6.44	7.52	2.89	0.440	0.516	2.65	3.40	3.23	9
10	1.42 B	2.25B	1.87 B	12.0	8.51	5.14	2.89	0.422	0.335	4.13	3.17	13.5	10
11	1.60 B	3.10B	1.60 B	10.2	7.27	4.53	2.96	0.370	1.85	4.09	3.51	9.77	11
12	1.80 B	4.35B	1.42 B	25.0	5.91	4.28	2.26	0.325	1.71	3.48	5.68	7.95	12
13	1.55 B	3.90B	1.28 B	16.7	4.92	3.78	1.77	0.388	1.27	3.22	4.62	4.94	13
14	1.37 B	3.45B	1.11 B	13.3	4.30	3.22	1.56	0.354	1.03	2.97	3.93	5.14	14
15	1.20 B	2.85B	1.03 B	11.5	4.08	2.69	1.36	0.783	1.03	5.76	3.60	4.15	15
16	1.11 B	2.42B	0.950B	9.99	3.84	2.24	1.25	0.726	0.937	4.82	3.36	4.73	16
17	1.00 B	2.13B	0.880B	8.98	3.52	2.20	1.29	0.418	0.863	3.96	3.13	8.00	17
18	0.910B	1.85B	1.20 B	6.88	3.66	2.23	1.22	0.351	0.836	3.34	3.00	8.32	18
19	2.40 B	1.65B	1.65 B	6.10	3.75	2.21	1.02	0.338	0.798	2.95	5.01	7.56	19
20	2.05 B	1.50B	2.20 B	5.49	13.1	12.9	1.06	0.446	0.716	2.85	8.48	7.91	20
21	1.76 B	1.32B	3.30 B	5.13	20.9	14.1	0.758	0.404	0.689	2.41	6.42	6.81	21
22	1.60 B	1.20B	4.20 B	4.75	19.7	14.3	0.736	0.330	0.732	2.18	5.84	6.01	22
23	1.42 B	1.31B	3.75 B	6.20	16.7	13.0	0.697	0.264	0.678	1.86	5.36	5.00	23
24	1.30 B	1.45B	3.25 B	13.5	13.3	11.4	1.36	0.203	0.630	1.62	5.88	5.07	24
25	1.17 B	1.60B	2.90 B	9.80	9.93	9.58	1.81	0.170	0.690	1.46	5.34	6.60B	25
26	1.60 B	1.47B	2.60 B	10.2	7.43	7.90	1.41	0.155	1.83	1.29	4.85	5.70B	26
27	4.00 B	1.31B	2.38 B	10.9	5.91	6.49	1.29	0.119	1.54	2.62	4.69	4.95B	27
28	12.0 B	1.18B	2.18 B	11.7	5.20	5.53	1.11	0.104	1.29	4.19	4.06	4.35B	28
29	9.20 B		1.95 B	8.82	4.60	4.98	1.06	0.125	1.17	3.19	4.01	3.75B	29
30	6.40 B		1.85 B	8.10	4.19	4.35	0.973	0.141	1.15	3.94	4.12	3.20B	30
31	5.00 B		1.71 B		4.34		0.928	0.119		6.89		3.50B	31
TOTAL	86.930	61.04	68.830	310.43	234.03	169.12	56.672	12.378	23.839	97.21	138.42	168.86	TOTAL
MEAN	2.80	2.18	2.22	10.3	7.55	5.64	1.83	0.399	0.795	3.14	4.61	5.45	MEAN
MAX	12.0	4.35	4.99	25.0	20.9	14.3	3.82	0.804	1.85	6.89	8.48	13.5	MAX
MIN	0.910	1.18	0.880	1.57	3.52	2.20	0.697	0.104	0.094	1.06	3.00	3.04	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.91
MAXIMUM DAILY, 25.0 ON APR 12
MINIMUM DAILY, 0.094 ON SEP 02
MAXIMUM INSTANTANEOUS,
32.5 AT 11:26 NST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 12 24 N
LONG 054 02 23 W
DRAINAGE AREA, 106 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 510	JUL	4 900
FEB	5 270	AUG	1 070
MAR	5 950	SEP	2 060
APR	26 800	OCT	8 400
MAY	20 200	NOV	12 000
JUN	14 600	DEC	14 600

TOTAL DISCHARGE, 123 000 dam³

SOUTH BROOK AT PASADENA - STATION NO. 02YL004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.440B	1.23 B	0.308B	0.660B	5.01	4.97	0.410	0.772	0.410	0.617	3.00E	2.39	1
2	0.600B	1.05 B	0.295B	0.600B	18.4	4.72	0.394	0.829	0.317	1.60	1.95E	2.08	2
3	0.760B	0.950B	0.280B	2.00 B	17.5	5.67	0.376	0.905	0.266	1.03	1.55E	1.67	3
4	0.670B	0.830B	0.268B	5.00 B	7.53	5.85	0.372	1.37	0.255	0.751	2.50E	1.76	4
5	0.580B	0.760B	0.258B	10.0 B	5.11	4.70	0.382	0.995	0.230	0.669	5.20A	1.71	5
6	0.500B	0.700B	0.245B	5.00 B	4.42	2.97	0.355	0.799	0.215	0.719	2.64	1.43	6
7	0.450B	0.650B	0.235B	3.00 B	3.30	2.27	0.328	0.638	0.197	0.700	1.93	1.27	7
8	0.400B	0.610B	0.227B	2.20 B	2.98	1.95	0.298	0.518	0.308	1.11	1.72	1.36	8
9	0.380B	0.570B	0.218B	1.70 B	3.29	1.76	0.330	0.488	0.269	1.14	1.51	23.1	9
10	0.355B	0.800B	0.209B	1.45 B	6.00	1.63	0.336	0.483	0.213	6.99	1.42	9.95	10
11	0.332B	1.35 B	0.200B	1.60 B	6.28	1.41	0.401	0.421	0.231	2.98	1.39	3.79	11
12	0.314B	1.18 B	0.193B	1.90 B	10.5	1.27	0.375	0.436	0.231	1.70	2.08	2.51	12
13	0.298B	1.05 B	0.185B	2.25 B	7.59	1.18	0.344	0.371	0.196	1.33	1.61	2.40	13
14	0.285B	0.940B	0.178B	1.90 B	6.54	1.06	0.322	1.17	0.179	4.44	1.38	2.57	14
15	0.273B	0.820B	0.172B	1.70 B	6.19	0.994	0.237	0.530	0.193	4.47	1.31	2.11	15
16	0.261B	0.740B	0.165B	3.27	6.43	0.985	0.212	0.355	0.202	2.11	1.20	1.85	16
17	0.250B	0.650B	0.158B	6.19	6.18	0.981	0.216	0.331	0.333	1.68	1.27	4.35	17
18	0.300B	0.600B	0.800B	7.57	5.12	0.924	0.230	0.362	3.01	1.39	2.10	3.61	18
19	0.520B	0.550B	2.60 B	4.93	4.27	1.26	0.349	2.04	1.12	3.67	4.21	11.8	19
20	0.470B	0.510B	1.60 B	3.24	3.07	2.70	0.396	1.29	0.863	6.57	5.88	5.43	20
21	0.430B	0.480B	1.15 B	3.96	2.67	2.41	0.312	0.750	2.55	2.95	4.28	3.27	21
22	0.410B	0.450B	0.840B	3.87	2.40	1.59	0.433	0.538	2.65	1.86	2.92	2.74	22
23	0.386B	0.425B	0.700B	2.97	2.56	1.19	0.291	0.424	1.43	1.97	2.82	6.50	23
24	0.365B	0.400B	3.45 B	2.74	2.74	0.955	2.76	0.375	3.65	1.63	8.74	12.9	24
25	0.340B	0.380B	2.20 B	2.21	2.67	0.872	18.7	0.327	1.84	3.58 A	4.70	6.63	25
26	1.50 B	0.360B	1.60 B	2.28	2.60	0.829	5.74	0.288	1.12	1.05 E	5.06	2.80B	26
27	7.80 B	0.340B	1.30 B	3.19	4.02	0.643	3.88	0.272	0.819	0.830E	3.37	2.00B	27
28	5.20 B	0.325B	1.10 B	4.19	4.61	0.623	2.10	0.290	0.686	0.720E	2.37	1.63B	28
29	2.50 B		0.950B	2.66	5.85	0.741	1.46	0.261	0.590	0.670E	4.28	1.41B	29
30	1.80 B		0.860B	2.54	7.38	0.519	1.08	0.871	0.520	2.40 E	4.34	1.21B	30
31	1.45 B		0.750B		12.7		0.860	0.609		7.00 E		1.42B	31
TOTAL	30.419	19.700	23.694	96.770	185.91	59.626	44.268	20.476	25.121	70.326	88.93	129.65	TOTAL
MEAN	0.981	0.704	0.764	3.23	6.00	1.99	1.43	0.661	0.837	2.27	2.96	4.18	MEAN
MAX	7.60	1.35	3.45	10.0	18.4	5.85	18.7	2.04	3.65	7.00	8.74	23.1	MAX
MIN	0.250	0.325	0.158	0.600	2.40	0.519	0.212	0.261	0.193	0.617	1.20	1.21	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.18
MAXIMUM DAILY, 23.1 ON DEC 09
MINIMUM DAILY, 0.158B ON MAR 17
MAXIMUM INSTANTANEOUS,
41.0 AT 16:35 NST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 43 N
LONG 057 36 47 W
DRAINAGE AREA, 58.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 630	JUL	3 820
FEB	1 700	AUG	1 770
MAR	2 050	SEP	2 170
APR	8 360	OCT	6 080
MAY	16 100	NOV	7 680
JUN	5 150	DEC	11 200

TOTAL DISCHARGE, 68 700 dam³

SOUTH BROOK AT PEARL TOWN ROAD - STATION NO. 02ZM021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.26	0.142B	0.195B	0.120B	0.267	0.352	0.159	0.033	0.113	0.196	0.755	0.448
2	2.73	0.120B	0.154B	0.158	0.264	0.228	0.143	0.062	0.083	2.33	0.452	0.553
3	1.20	0.105B	0.600B	0.281	0.449	0.205	0.127	0.059	0.071	1.27	0.335	1.35
4	0.400B	0.091B	3.00 B	0.400	0.545	0.185	0.131	0.048	0.103	0.869	0.279	0.577
5	0.265B	0.082B	0.950B	0.672	0.355	0.178	0.121	0.038	0.088	0.519	0.334	0.355
6	0.200B	0.076B	0.410B	0.818	0.272	0.778	0.111	0.053	0.070	0.450	0.275	0.770
7	0.148B	0.069B	0.310B	0.480	0.227	0.464	0.087	0.068	0.063	0.320	0.228	0.615
8	0.121B	0.063B	0.245B	0.588	0.363	0.906	0.177	0.057	0.070	0.252	0.215	0.330
9	0.096B	0.058B	0.182B	0.366	0.649	0.982	0.183	0.046	0.085	0.198	0.193	0.330
10	0.082B	0.600B	0.155B	0.254	0.754	0.525	0.148	0.041	0.065	0.546	0.263	1.46
11	0.117B	3.50 B	0.131B	0.282	0.466	0.343	0.136	0.034	0.128	0.440	0.538	0.847
12	0.201	0.430B	0.117B	0.741	0.355	0.271	0.102	0.032	0.153	0.266	0.974	0.403
13	0.452	0.295B	0.101B	0.596	0.318	0.231	0.084	0.034	0.103	0.220	0.529	0.600
14	0.175	0.215B	0.096B	0.330	0.254	0.184	0.075	0.034	0.080	0.206	0.155	0.349
15	0.145	0.165B	0.083B	0.239	0.237	0.179	0.073	0.157	0.071	1.10	0.291	0.341
16	0.103	0.147B	0.076B	0.227	0.247	0.165	0.070	0.107	0.068	0.606	0.359	0.196
17	0.075	0.120B	0.068B	1.04	0.220	0.411	0.065	0.071	0.067	0.323	0.354	1.18
18	0.146	0.101B	0.325B	1.11	0.202	0.320	0.068	0.054	0.124	0.221	0.345	1.04
19	0.500B	0.089B	0.470B	0.531	0.720	0.201	0.067	0.053	0.141	0.194	0.315	0.717
20	0.380B	0.079B	0.300B	0.329	6.13	0.513	0.061	0.062	0.184	0.771	0.315	0.680
21	0.225B	0.072B	0.430B	0.268	2.09	0.461	0.056	0.053	0.149	0.365	0.257	0.360
22	0.135B	0.065B	0.560B	0.245	2.14	0.708	0.059	0.045	0.142	0.226	0.217	0.274
23	0.090B	0.058B	0.360B	0.387	1.38	0.883	0.054	0.036	0.106	0.195	0.281	0.340
24	0.054B	1.20 B	0.270B	0.909	0.829	0.396	0.069	0.032	0.096	0.168	0.550	0.922
25	0.050B	1.30 B	0.211B	0.637	0.630	0.798	0.067	0.029	0.213	0.164	0.406	0.836
26	0.190	0.650B	0.176B	0.489	0.494	0.579	0.056	0.025	4.05	0.242	0.370	0.378
27	2.60	0.445B	0.155B	0.370	0.405	0.301	0.048	0.024	0.935	1.21	0.335	0.280B
28	0.871	0.310B	0.137B	0.649	0.322	0.228	0.041	0.029	0.458	1.67	0.327	0.212B
29	0.320B		0.121B	0.463	0.257	0.230	0.040	0.450	0.299	0.629	0.225	0.179B
30	0.222B		0.111B	0.339	0.366	0.185	0.042	0.307	0.228	1.66	0.338	0.160B
31	0.172B		0.100B		0.600		0.036	0.165		1.53		0.260B
TOTAL	14.725	10.647	10.599	14.318	23.307	12.390	2.756	2.338	8.606	19.356	10.910	17.342
MEAN	0.475	0.380	0.342	0.477	0.752	0.413	0.089	0.075	0.287	0.624	0.364	0.559
MAX	2.73	3.50	3.00	1.11	6.13	0.982	0.183	0.450	4.05	2.33	0.974	1.46
MIN	0.050	0.058	0.068	0.120	0.202	0.165	0.036	0.024	0.063	0.164	0.193	0.160

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.404
MAXIMUM DAILY, 6.13 ON MAY 20
MINIMUM DAILY, 0.024 ON AUG 27
MAXIMUM INSTANTANEOUS,
10.7 AT 15:09 NST ON MAR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 30 24 N
LONG 052 46 24 W
DRAINAGE AREA, 9.21 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 270	JUL	238
FEB	920	AUG	202
MAR	916	SEP	744
APR	1 240	OCT	1 670
MAY	2 010	NOV	943
JUN	1 070	DEC	1 500

TOTAL DISCHARGE, 12 700 dam³

SOUTH RIVER NEAR HOLYROOD - STATION NO. 02ZM016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.77	0.539	0.440B	0.178	0.574	0.613	0.812	0.070	0.849	0.607	1.75	0.788
2	6.17	0.495B	0.420B	0.171	0.485	0.524	0.473	0.076	0.519	1.81	1.31	0.945
3	3.27	0.440B	1.25	0.196	0.575	0.439	0.377	0.083	0.349	2.18	1.01	1.79
4	1.83	0.410B	8.54	0.294	0.746	0.404	0.475	0.081	0.353	1.68	0.834	1.45
5	0.980B	0.375B	5.85	0.636	0.644	0.518	0.497	0.078	0.311	1.24	0.805	1.29
6	0.720B	0.354B	2.35	1.25	0.546	2.13	0.297	0.083	0.263	0.987	0.741	1.36
7	0.530B	0.329B	1.45	1.04	0.591	1.79	0.247	0.091	0.219	0.791	0.707	1.53
8	0.420B	0.300B	0.762	0.909	0.670	1.57	0.303	0.089	0.230	0.660	0.695	0.955
9	0.340B	0.280B	0.470B	0.735	0.712	1.80	0.305	0.094	0.279	0.566	0.632	0.839
10	0.290B	6.00 E	0.390B	0.557	0.771	1.35	0.221	0.091	0.273	0.704	0.547	1.76
11	0.360B	4.20 E	0.290B	0.484	0.681	0.990	0.217	0.094	0.335	0.915	0.603	1.84
12	0.472	2.90 E	0.250B	1.21	0.582	0.776	0.157	0.091	0.478	0.791	1.11	1.38
13	0.688	2.10 E	0.218B	1.48	0.479	0.673	0.172	0.092	0.431	0.669	1.23	1.04
14	0.550B	1.55 B	0.200B	1.03	0.407	0.541	0.234	0.090	0.324	0.566	1.02	0.904
15	0.420B	1.22 B	0.185B	0.715	0.368	0.496	0.238	0.332	0.270	1.87	0.781	0.720B
16	0.345B	0.950B	0.172B	0.552	0.351	0.451	0.165	0.303	0.228	1.88	0.715	0.583
17	0.300B	0.760B	0.160	1.28	0.305	0.652	0.146	0.368	0.205	1.33	0.753	1.13
18	0.540B	0.620B	0.221	1.93	0.278	0.788	0.119	0.401	0.336	0.963	0.801	1.73
19	0.760B	0.530B	0.692	1.32	0.330	0.693	0.120	0.346	0.400	0.756	0.845	1.68
20	1.13 B	0.440B	0.667	0.866	1.90	1.04	0.165	0.314	0.396	0.991	0.855	1.97
21	0.800B	0.385B	0.980	0.645	2.18	1.46	0.331	0.281	0.372	0.915	0.777	1.44
22	0.500B	0.320B	2.35	0.498	1.82	2.11	0.401	0.245	0.332	0.743	0.668	1.13
23	0.420B	0.290B	1.35	0.553	1.58	2.42	0.165	0.214	0.304	0.613	0.614	1.01
24	0.371	1.00 E	0.964	1.20	1.24	1.65	0.086	0.196	0.299	0.532	0.625	1.82
25	0.322	2.50 E	0.713	1.27	1.03	1.35	0.088	0.175	0.356	0.506	0.632	2.25
26	0.346	1.17 E	0.521	1.05	0.855	0.550	0.080	0.153	3.94	0.598	0.644	1.68
27	3.68	0.770E	0.411	0.841	0.723	0.286	0.078	0.142	1.80	1.26	0.647	1.41
28	3.20	0.560B	0.317	0.940	0.598	0.637	0.077	0.134	1.66	2.10	0.549	1.10 B
29	1.73		0.244	0.895	0.489	0.931	0.080	0.460	1.09	1.62	0.530	0.920B
30	1.03		0.208	0.715	0.459	0.992	0.077	0.982	0.789	1.60	0.546	0.780B
31	0.746		0.192		0.599		0.075	1.49		2.21		0.850B
TOTAL	35.030	31.787	33.027	25.440	23.568	30.584	7.278	7.739	18.990	34.653	23.976	39.974
MEAN	1.13	1.14	1.07	0.848	0.760	1.02	0.235	0.250	0.633	1.12	0.799	1.29
MAX	6.17	6.00	8.54	1.93	2.18	2.42	0.812	1.49	3.94	2.21	1.75	2.25
MIN	0.290	0.280	0.160	0.171	0.278	0.286	0.075	0.070	0.205	0.506	0.530	0.583

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.855
MAXIMUM DAILY, 8.54 ON MAR 04
MINIMUM DAILY, 0.070 ON AUG 01
MAXIMUM INSTANTANEOUS,
12.3E AT 15:15 NST ON MAR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 21 41 N
LONG 053 07 02 W
DRAINAGE AREA, 17.3 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 030	JUL	629
FEB	2 750	AUG	669
MAR	3 850	SEP	1 640
APR	3 200	OCT	3 990
MAY	2 040	NOV	1 070
JUN	2 640	DEC	3 450

TOTAL DISCHARGE, 27 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 11.1 IS DUE TO CURVE EXTENSION

NEWFOUNDLAND

SOUTH WEST BROOK NEAR BAIE VERTE - STATION NO. 02YM003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.660B	2.90 B	0.290B	0.322B	4.44	11.0	1.31	0.212	0.150	3.00 A	10.8 E	2.20 B	1
2	0.640B	1.95 B	0.278B	0.312B	20.4	3.91	1.15	0.212	0.126	2.60 E	11.8 E	1.92 B	2
3	0.620B	1.55 B	0.268B	0.307B	41.6	3.99	0.905	0.201	0.128	1.92 E	10.1 E	1.62 B	3
4	0.700B	1.25 B	0.260B	0.400B	25.2	3.09	0.789	0.229	0.086	1.60 E	9.00E	1.43 B	4
5	0.780B	1.08 B	0.253B	0.800B	13.2	2.46	0.727	0.233	0.086	1.38 E	7.80E	1.15 B	5
6	0.760B	0.960B	0.247B	1.45 B	9.44	2.05	0.631	0.211	0.088	2.01 E	6.80E	1.08 B	6
7	0.730B	0.880B	0.240B	3.00 B	7.64	1.68	0.534	0.190	0.077	1.61 E	5.80E	1.04 B	7
8	0.705B	0.815B	0.233B	5.60 B	6.19	1.35	0.453	0.171	0.097	1.20 E	5.20E	0.970B	8
9	0.680B	0.760B	0.227B	10.7	5.56	1.16	0.438	0.192	0.097	1.12 E	4.50E	1.80 B	9
10	0.660B	0.720B	0.220B	7.75	8.36	0.993	0.424	0.166	0.087	2.95 E	4.10E	5.40 B	10
11	0.640B	0.675B	0.215B	5.49	9.68	0.876	0.676	0.148	0.091	2.00 E	3.70E	4.80 B	11
12	0.620B	0.640B	0.210B	4.29	12.1	0.795	0.797	0.159	0.084	1.70 E	3.40E	3.90 B	12
13	0.600B	0.615B	0.206B	4.75	13.6	0.683	1.00	0.280	0.072	2.75 E	3.00E	3.20 B	13
14	0.585B	0.575B	0.202B	4.88	9.64	0.619	0.758	0.244	0.051	1.95 E	2.55E	2.60 B	14
15	0.570B	0.545B	0.198B	4.92	7.28	0.576	0.700	0.204	0.035	2.65 E	2.35E	2.25 B	15
16	0.550B	0.520B	0.192B	5.38	5.95	0.537	0.593	0.179	0.031	2.10 E	2.15E	2.04 B	16
17	0.535B	0.495B	0.187B	10.6	5.11	0.462	0.494	0.181	0.051	1.60 E	1.97E	1.97 B	17
18	0.518B	0.465B	0.260B	16.1	4.55	0.411	0.459	0.615	0.208	1.38 E	1.90E	1.87 B	18
19	0.505B	0.445B	0.380B	16.8	3.81	1.20	0.419	2.65	0.216	1.19 E	2.80E	2.00 B	19
20	0.490B	0.430B	0.500B	11.8	3.01	4.15	0.361	3.82	0.240	1.95 E	3.60E	3.10 B	20
21	0.470B	0.415B	0.470B	10.3	6.06	6.20	0.331	2.43	0.967	1.45 E	4.30E	2.90 B	21
22	0.455B	0.390B	0.450B	9.88	10.7	4.33	0.384	1.53	1.50	1.21 E	5.60E	2.60 B	22
23	0.445B	0.375B	0.430B	7.30	8.11	2.78	0.338	0.979	1.49	1.10 E	8.00E	2.15 B	23
24	0.436B	0.365B	0.415B	5.49	6.49	2.27	0.377	0.676	2.08	0.970E	10.8 E	2.20 B	24
25	0.426B	0.350B	0.400B	4.63	5.01	1.98	0.465	0.482	2.42	2.25 E	9.20E	2.05 B	25
26	0.700B	0.337B	0.389B	4.05	4.21	1.87	0.529	0.384	2.16	1.80 E	8.00A	1.90 B	26
27	1.30 B	0.320B	0.376B	4.59	5.51	1.38	0.447	0.343	1.85	1.48 E	6.44	1.80 B	27
28	2.20 B	0.309B	0.365B	4.29	6.57	1.10	0.348	0.352	1.60	1.21 E	4.53	1.68 B	28
29	4.20 B		0.355B	3.94	5.78	1.31	0.297	0.365	1.47	1.05 E	3.48A	1.60 B	29
30	7.10 B		0.345B	3.02	5.60	1.36	0.270	0.314	1.39	1.01 E	2.70E	1.50 B	30
31	4.60 B		0.335B		11.4		0.243	0.184		2.10 E		1.42 B	31
TOTAL	34.880	21.131	9.396	173.141	291.60	68.572	17.647	18.436	19.028	54.290	166.37	68.340	TOTAL
MEAN	1.13	0.755	0.303	5.77	9.41	2.29	0.569	0.595	0.634	1.75	5.55	2.20	MEAN
MAX	7.10	2.90	0.500	16.8	41.6	11.0	1.31	3.82	2.42	3.00	11.8	5.40	MAX
MIN	0.426	0.309	0.187	0.307	3.01	0.411	0.243	0.148	0.031	0.970	1.90	0.970	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.58
MAXIMUM DAILY, 41.6 ON MAY 03
MINIMUM DAILY, 0.031 ON SEP 16
MAXIMUM INSTANTANEOUS,
45.7 AT 06:21 NST ON MAY 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 37 N
LONG 056 13 22 W
DRAINAGE AREA, 93.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 010	JUL	1 520
FEB	1 830	AUG	1 590
MAR	812	SEP	1 640
APR	15 000	OCT	4 690
MAY	25 200	NOV	14 400
JUN	5 920	DEC	5 900

TOTAL DISCHARGE, 81 500 dam³

SOUTHERN BAY RIVER NEAR SOUTHERN BAY - STATION NO. 02ZJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.70 B	2.80 B	0.690B	1.10B	4.29	1.59	1.25	0.414	0.086	0.584	5.08	2.49	1
2	2.90 B	2.30 B	0.645B	1.01	3.98	1.38	1.08	0.402	0.073	0.956	4.92	3.47	2
3	2.35 B	1.92 B	0.600B	1.13	3.86	1.26	0.904	0.377	0.080	1.24	3.73	3.51	3
4	1.95 B	1.60 B	7.00 B	2.16	3.83	1.06	0.746	0.343	0.167	1.52	2.78	3.56	4
5	1.65 B	1.39 B	11.8 B	5.91	3.38	0.978	0.665	0.332	0.114	1.56	2.44	3.52	5
6	1.42 B	1.20 B	8.00 B	15.1	2.86	1.27	0.572	0.300	0.118	1.69	2.21	3.53	6
7	1.23 B	1.16 B	5.00 B	14.8	2.79	1.28	0.464	0.267	0.100	1.50	1.97	3.65	7
8	1.11 B	0.920B	3.50 B	16.0	2.86	2.22	0.477	0.244	0.177	1.33	1.89	3.55	8
9	1.00 B	0.820B	2.45 B	12.7	2.93	3.05	0.463	0.237	0.226	1.25	1.65	3.35	9
10	0.900B	2.90 B	1.95 B	7.88	3.88	6.01	0.426	0.210	0.184	1.83	1.54	6.44	10
11	1.00 B	8.00 B	1.58 B	5.52	4.47	4.72	0.631	0.202	0.423	2.69	1.65	9.19	11
12	1.16 B	3.80 B	1.30 B	11.3	4.36	3.33	0.514	0.183	0.546	2.84	2.21	7.32	12
13	0.980B	2.45 B	1.11 B	12.9	3.93	2.41	0.510	0.184	0.707	2.52	2.42	5.17	13
14	0.860B	1.75 B	0.960B	9.58	3.94	1.93	0.466	0.193	0.717	2.12	2.47	5.71	14
15	0.750B	1.51 B	0.840B	5.55	2.42	1.63	0.472	0.238	0.656	2.99	2.45	3.55	15
16	0.670B	1.42 B	0.740B	3.86	2.29	1.40	0.407	0.200	0.551	3.84	2.14	2.85B	16
17	0.615B	1.15 B	0.660B	3.49	2.04	1.25	0.350	0.158	0.477	3.44	2.03	3.77	17
18	0.565B	1.01 B	1.03 B	3.34	1.63	1.11	0.358	0.157	0.445	2.58	1.85	5.83	18
19	1.80 B	0.920B	2.25 B	3.22	1.46	1.01	0.311	0.183	0.398	2.09	2.15	6.29	19
20	1.50 B	0.870B	3.70 B	2.62	3.81	4.45	0.418	0.201	0.363	2.06	4.38	6.14	20
21	1.20 B	0.805B	5.80 B	2.31	17.0	10.1	0.407	0.173	0.325	1.71	5.39	5.08	21
22	1.06 B	0.750B	7.70 B	2.01	22.4	12.2	0.388	0.144	0.294	1.54	4.68	4.09	22
23	0.930B	0.720B	5.30 B	4.34	15.9	10.7	0.362	0.139	0.253	1.42	3.98	3.36	23
24	0.940B	0.880B	4.00 B	7.92	10.3	7.63	0.615	0.134	0.254	1.25	3.57	3.08	24
25	0.760B	0.980B	3.10 B	10.9	6.95	5.68	0.739	0.132	0.293	1.20	3.04	3.84	25
26	0.950B	0.870B	2.60 B	9.30	5.21	4.42	0.669	0.116	0.574	1.09	2.95	3.55B	26
27	3.00 B	0.790B	2.10 B	8.38	4.02	3.24	0.620	0.109	0.530	1.49	2.83	3.20B	27
28	9.20 B	0.730B	1.80 B	7.66	3.42	2.49	0.538	0.100	0.513	2.36	2.69	2.80B	28
29	7.70 B		1.59 B	6.43	2.76	1.93	0.525	0.151	0.542	3.13	2.54	2.50B	29
30	4.80 B		1.39 B	5.29	2.20	1.48	0.560	0.140	0.619	3.34	2.53	2.22B	30
31	3.60 B		1.25 B		1.98		0.472	0.113		4.22		2.38B	31
TOTAL	59.150	46.415	92.435	200.71	155.32	105.208	17.379	6.466	10.805	63.380	86.16	128.99	TOTAL
MEAN	1.91	1.66	2.98	6.69	5.01	3.51	0.561	0.209	0.360	2.04	2.87	4.16	MEAN
MAX	9.20	8.00	11.8	16.0	22.4	12.2	1.25	0.414	0.717	4.22	5.39	9.19	MAX
MIN	0.565	0.720	0.600	1.01	1.46	0.978	0.311	0.100	0.073	0.584	1.54	2.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.66
MAXIMUM DAILY, 22.4 ON MAY 22
MINIMUM DAILY, 0.073 ON SEP 02
MAXIMUM INSTANTANEOUS,
23.5 AT 01:37 NST ON MAY 22

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 22 44 N
LONG 053 40 36 W
DRAINAGE AREA, 67.4 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 110	JUL	1 500
FEB	4 010	AUG	559
MAR	7 990	SEP	934
APR	17 300	OCT	5 480
MAY	13 400	NOV	7 440
JUN	9 090	DEC	11 100

TOTAL DISCHARGE, 83 900 dam³

NEWFOUNDLAND

SOUTHWEST BROOK AT LEWISPORTE - STATION NO. 02YO012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.555B	1.05 B	0.255B	0.930B	5.24	2.51	0.408	0.301	0.070	0.072	1.13	2.09	1
2	0.770B	0.880B	0.243B	0.830B	6.64	2.04	0.386	0.285	0.070	0.302	1.12	1.85 B	2
3	0.702B	0.760B	0.236B	1.25 B	7.25	1.74	0.343	0.260	0.061	0.310	1.17	1.60 B	3
4	0.640B	0.670B	0.265B	2.10 B	5.59	1.56	0.323	0.235	0.055	0.252	1.28	1.40 B	4
5	0.580B	0.590B	0.317B	4.40 B	4.43	1.41	0.288	0.210	0.061	0.229	1.82	1.27 B	5
6	0.535B	0.530B	0.372B	7.50 B	3.74	1.24	0.248	0.198	0.061	0.236	1.74	1.14 B	6
7	0.485B	0.480B	0.350B	13.0 B	3.63	1.07	0.210	0.201	0.060	0.244	1.43	1.07 B	7
8	0.443B	0.445B	0.332B	14.2 E	3.58	0.959	0.191	0.190	0.067	0.239	1.33	0.990B	8
9	0.418B	0.410B	0.312B	9.76	4.21	0.883	0.178	0.193	0.072	0.249	1.18	0.930B	9
10	0.380B	0.388B	0.299B	6.64	5.12	0.778	0.164	0.190	0.066	1.46	1.12	2.23	10
11	0.420B	0.530B	0.283B	5.01	4.03	0.714	0.167	0.159	0.066	1.28	1.10	2.04	11
12	0.460B	0.700B	0.272B	7.07	3.69	0.638	0.167	0.144	0.056	0.850	1.28	1.75 B	12
13	0.435B	0.635B	0.262B	7.37	3.24	0.544	0.167	0.146	0.048	0.772	1.20	1.52 B	13
14	0.398B	0.556B	0.251B	5.62	2.86	0.504	0.161	0.125	0.043	0.837	1.16	1.38 B	14
15	0.370B	0.525B	0.241B	4.78	2.62	0.461	0.153	0.157	0.043	0.956	0.932	1.25 B	15
16	0.342B	0.492B	0.233B	4.15	2.32	0.438	0.148	0.155	0.040	0.794	0.895	1.11 B	16
17	0.318B	0.462B	0.370B	5.37 A	1.99	0.544	0.143	0.137	0.037	0.720	0.895	1.02 B	17
18	0.296B	0.435B	0.490B	4.70 E	1.82	0.523	0.139	0.126	0.038	0.674	0.964	1.14 B	18
19	0.275B	0.415B	0.650B	4.24 A	1.68	0.470	0.140	0.150	0.041	0.631	1.45	1.28 B	19
20	0.260B	0.387B	0.820B	3.65	3.66	0.524	0.154	0.168	0.045	0.747	2.05	1.36 B	20
21	0.243B	0.369B	1.00 B	3.39	19.3 E	0.925	0.209	0.137	0.114	0.587	1.63	1.24 B	21
22	0.230B	0.349B	1.26 B	3.62	15.1 E	0.829	0.524	0.126	0.111	0.433	1.51	1.12 B	22
23	0.218B	0.331B	1.56 B	3.62	10.5	0.740	0.397	0.120	0.086	0.405	1.55	1.05 B	23
24	0.209B	0.317B	2.00 B	4.52	7.31	0.651	0.573	0.105	0.158	0.371	2.63	1.28 B	24
25	0.198B	0.304B	2.30 B	4.27	5.78	0.807	0.968	0.100	0.169	0.358	2.54	1.52 B	25
26	0.450B	0.290B	1.88 B	3.88	4.72	0.804	1.10	0.105	0.147	0.356	2.15	1.36 B	26
27	0.780B	0.279B	1.62 B	3.86	4.22	0.734	0.893	0.097	0.098	0.489	2.08	1.25 B	27
28	1.25 B	0.269B	1.45 B	3.59	3.42	0.629	0.596	0.095	0.086	0.637	1.96	1.17 B	28
29	2.00 B		1.29 B	3.17	2.85	0.575	0.448	0.097	0.084	0.518	2.02	1.08 B	29
30	1.80 B		1.14 B	3.14	2.49	0.480	0.369	0.076	0.076	0.529	2.47	1.02 B	30
31	1.45 B		1.03 B		2.69		0.345	0.079		1.03		0.960B	31
TOTAL	17.910	13.848	23.383	149.630	155.72	26.724	10.700	4.867	2.229	17.567	45.786	41.470	TOTAL
MEAN	0.578	0.495	0.754	4.99	5.02	0.891	0.345	0.157	0.074	0.567	1.53	1.34	MEAN
MAX	2.00	1.05	2.30	14.2	19.3	2.51	1.10	0.301	0.169	1.46	2.63	2.23	MAX
MIN	0.198	0.269	0.233	0.830	1.68	0.438	0.139	0.076	0.037	0.072	0.895	0.930	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.40
MAXIMUM DAILY, 19.3E ON MAY 21
MINIMUM DAILY, 0.037 ON SEP 17
MAXIMUM INSTANTANEOUS,
22.4E AT 11:52 NST ON MAY 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 58 N
LONG 055 03 11 W
DRAINAGE AREA, 47.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 550	JUL	924
FEB	1 200	AUG	421
MAR	2 020	SEP	193
APR	12 900	OCT	1 520
MAY	13 500	NOV	3 960
JUN	2 310	DEC	3 580

TOTAL DISCHARGE, 44 100 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 12.2 IS DUE TO CURVE EXTENSION

SOUTHWEST BROOK AT TERRA NOVA NATIONAL PARK - STATION NO. 02YS003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.203B	1.25 B	0.075B	0.290B	2.70	0.735	0.335	0.202	0.016E	0.496	3.50	1.55	1
2	1.35 B	1.00 B	0.071B	0.399	2.91	0.586	0.305	0.193	0.014E	1.26	2.07	1.07	2
3	1.70 B	0.800B	0.067B	0.961	2.84	0.471	0.235	0.157	0.017E	1.76	1.44	1.03	3
4	1.30 B	0.650B	0.130B	2.90	2.23	0.433	0.240	0.179	0.053E	1.21	1.07	0.873	4
5	1.00 B	0.555B	0.245B	8.02	1.62	0.438	0.228	0.137	0.052E	0.854	1.42	0.720	5
6	0.680B	0.485B	0.479B	9.27	1.21	0.706	0.238	0.123	0.027E	1.67	1.35	0.911	6
7	0.470B	0.425B	0.520B	5.90	1.13	0.629	0.204	0.083	0.026E	1.26	1.04	1.21	7
8	0.370B	0.375B	0.395B	9.24	1.26	0.929	0.218	0.075	0.046E	0.841	0.926	0.907	8
9	0.282B	0.335B	0.300B	4.43	2.01	3.00	0.256	0.059	0.134	0.627	0.854	0.827	9
10	0.240B	0.300B	0.250B	2.33	3.99	1.63	0.192	0.053	0.084	3.34	0.775	5.19	10
11	0.290B	0.375B	0.205B	1.71	2.66	1.03	0.347	0.047	0.365	3.48	0.918	3.90	11
12	0.320B	0.539B	0.181B	6.74	1.74	0.734	0.383	0.033	0.579	1.87	2.61	2.06	12
13	0.275B	1.68 B	0.155B	4.20	1.40	0.617	0.346	0.023	0.356	1.22	1.71	1.38 B	13
14	0.240B	0.700B	0.139B	2.43	1.07	0.432	0.274	0.044	0.287	0.976	1.14	0.995	14
15	0.227B	0.590B	0.123B	1.59	0.949	0.362	0.245	0.098	0.235	1.70	0.905	1.01	15
16	0.210B	0.365B	0.110B	1.28	0.907	0.496	0.197	0.108	0.185	1.55	0.801	0.755	16
17	0.190B	0.275B	0.130B	1.81	0.749	1.51	0.178	0.064	0.160	1.03	0.708	1.25	17
18	0.230B	0.222B	0.160B	1.82	0.617	0.938	0.166	0.048	0.140	0.753	0.609	2.15	18
19	0.300B	0.195B	0.550B	1.49	0.574	0.572	0.163	0.059	0.126	0.613	1.15	1.89	19
20	0.380B	0.168B	1.65 B	1.07	7.95	3.78	0.741	0.145	0.124	0.621	4.23	2.21	20
21	0.335B	0.148B	1.30 B	0.885	18.2	7.21	0.565	0.110	0.142	0.494	2.49	1.62	21
22	0.299B	0.132B	1.42 B	1.02	13.8	3.56	0.354	0.079	0.205	0.407	1.64	1.07	22
23	0.275B	0.120B	1.18 B	1.54	7.78	2.86	0.291	0.054E	0.160	0.343	1.55	0.875	23
24	0.255B	0.109B	0.950B	6.07	4.20	1.77	0.638	0.021E	0.175	0.339	2.00	1.07	24
25	0.232B	0.099B	0.790B	3.85	2.99	2.05	1.28	0.019E	0.278	0.316	1.66	3.90	25
26	0.290B	0.092B	0.670B	4.17	2.34	1.95	0.922	0.012E	1.05	0.308	1.39	2.41	26
27	1.45 B	0.085B	0.570B	3.74	1.73	1.14	0.542	0.013E	0.806	1.41	1.38	1.15 B	27
28	2.50 B	0.079B	0.495B	4.47	1.29	0.777	0.378	0.013E	0.518	2.82	1.03	0.750B	28
29	2.10 B		0.430B	2.86	0.997	0.575	0.300	0.042E	0.394	1.47	1.06	0.560B	29
30	1.80 B		0.385B	2.55	0.879	0.399	0.322	0.046E	0.520	1.87	1.84	0.500B	30
31	1.52 B		0.350B		0.913		0.268	0.032E		4.28		0.618B	31
TOTAL	21.321	12.148	14.475	99.035	95.635	42.319	11.351	2.371	7.274	41.188	45.266	46.411	TOTAL
MEAN	0.688	0.434	0.467	3.30	3.09	1.41	0.366	0.077	0.243	1.33	1.51	1.50	MEAN
MAX	2.50	1.68	1.65	9.27	18.2	7.21	1.28	0.202	1.05	4.28	4.23	5.19	MAX
MIN	0.190	0.079	0.067	0.290	0.574	0.362	0.163	0.012	0.014	0.308	0.609	0.500	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.20
MAXIMUM DAILY, 18.2 ON MAY 21
MINIMUM DAILY, 0.012E ON AUG 26
MAXIMUM INSTANTANEOUS,
20.8 AT 22:49 NST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 36 25 N
LONG 053 58 50 W
DRAINAGE AREA, 36.7 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 840	JUL	981
FEB	1 050	AUG	205
MAR	1 250	SEP	628
APR	8 560	OCT	3 560
MAY	8 260	NOV	3 910
JUN	3 660	DEC	4 010

TOTAL DISCHARGE, 37 900 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.069 IS DUE TO CURVE EXTENSION

SOUTHWEST GANDER RIVER BELOW LARSON FALLS - STATION NO. 02YQ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.42B	14.0 B	1.48 B	4.60B	32.9	6.67	4.57	4.12	0.968	5.22	108	16.8	1
2	3.25B	11.6 B	1.40 B	4.20B	40.8	6.01	3.96	3.76	0.892	11.3	51.8	9.20B	2
3	4.00B	9.80B	1.32 B	11.0 B	55.0	5.38	3.54	3.65	0.794	28.0	30.4	6.95B	3
4	5.20B	8.40B	1.26 B	30.0 B	39.8	4.57	3.28	3.32	0.734	21.0	21.0	6.40B	4
5	4.60B	7.30B	1.21 B	80.0 B	28.7	4.20	3.05	2.96	0.783	16.4	19.0	5.90B	5
6	4.20B	6.30B	1.17 B	138 B	25.1 A	4.00	2.83	2.63	0.767	18.8	19.3	5.50B	6
7	3.82B	5.50B	1.12 B	238 E	24.0 E	3.59	2.39	2.34	0.690	19.8	15.5	5.20B	7
8	3.55B	4.75B	1.08 B	264 E	21.5 E	3.23	2.00	2.12	0.649	15.6	13.0	4.95B	8
9	3.30B	4.20B	1.03 B	194 E	19.1 A	3.01	1.80	1.87	0.674	13.1	10.8	9.00B	9
10	3.10B	4.75B	1.00 B	104	36.5	2.98	1.68	1.63	0.691	28.5	9.61	52.3	10
11	2.90B	5.70B	0.965B	62.4	35.3	2.89	1.72	1.61	0.895	45.0	8.73	53.6	11
12	2.75B	7.60B	0.935B	113 E	27.1	2.63	1.74	1.49	1.22	28.8	12.8	20.0 B	12
13	3.70B	6.75B	0.905B	128 E	22.6	2.33	1.46	1.42	1.86	20.5	14.1	12.0 B	13
14	3.35B	5.90B	0.880B	84.9	18.3	1.99	1.33	1.31	1.81	16.6	11.2	9.00B	14
15	3.05B	5.25B	0.855B	59.8	15.6	1.65	1.17	1.94	1.59	21.0	9.54	8.00B	15
16	2.81B	4.65B	0.830B	47.0	14.4	2.00	1.14	3.66	1.25	26.5 A	8.35	7.60B	16
17	2.62B	4.20B	0.815B	56.0	12.3	4.57	1.12	4.04	1.10	19.0	7.90	10.0 B	17
18	2.40B	3.78B	1.10 B	60.8	10.5	3.23	0.991	3.36	1.02	14.0	9.25	15.4 B	18
19	2.95B	3.42B	1.50 B	51.0	9.20	2.58	1.12	2.82	0.907	11.8	25.5	24.2 B	19
20	3.08B	3.15B	2.10 B	35.0	9.73	4.20	6.18	3.01	0.850	12.5	52.9	50.8	20
21	2.82B	2.88B	3.10 B	29.1	22.6	23.1	11.0	3.72	1.08	11.9	34.7	24.3 B	21
22	2.65B	2.61B	4.20 B	31.8	28.8	26.5	8.93	3.20	1.87	9.95	23.9	17.0 B	22
23	2.48B	2.41B	5.60 B	50.2	22.7	21.3	6.71	2.53	2.99	8.45	19.5	13.5 B	23
24	2.36B	2.22B	7.70 B	79.4	18.5	14.4	9.08	1.94	2.91	7.23	28.4	12.4 B	24
25	2.23B	2.09B	11.0 B	55.8	15.3	12.7	23.9	1.60	5.15	6.61	29.5	79.7	25
26	2.10B	1.92B	9.50 B	55.4	13.2	13.7	18.6	1.34	8.70	6.16	26.8	31.0 B	26
27	5.80B	1.80B	8.20 B	58.8	11.8	10.8	12.6	1.22	9.86	6.67	30.7	16.0 B	27
28	11.0 B	1.68B	7.10 B	59.1	10.5	8.42	9.11	1.18	7.70	8.98	22.2	12.0 B	28
29	25.0 B		6.20 B	43.1	9.23	6.64	7.11	1.12	6.29	8.66	19.3	10.8 B	29
30	20.5 B		5.60 B	35.0	7.92	5.48	5.82	1.04	5.60	10.2	18.6	10.3 B	30
31	16.9 B		5.00 B		7.20		4.86	1.07		93.0		10.0 B	31
TOTAL	161.79	144.61	96.275	2 263.40	666.18	214.75	164.791	73.04	72.294	571.23	712.28	569.80	TOTAL
MEAN	5.22	5.16	3.11	75.4	21.5	7.16	5.32	2.36	2.41	18.4	23.7	18.4	MEAN
MAX	25.0	14.0	11.0	264	55.0	26.5	23.9	4.12	9.86	93.0	108	79.7	MAX
MIN	2.10	1.68	0.815	4.20	7.20	1.65	0.991	1.04	0.649	5.22	7.90	4.95	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 15.6
MAXIMUM DAILY, 264E ON APR 08
MINIMUM DAILY, 0.649 ON SEP 08
MAXIMUM INSTANTANEOUS,
321E AT 16:23 NST ON APR 08

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 39 26 N
LONG 055 04 52 W
DRAINAGE AREA, 531 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 000	JUL	14 200
FEB	12 500	AUG	6 310
MAR	8 320	SEP	6 250
APR	196 000	OCT	49 400
MAY	57 600	NOV	61 500
JUN	18 600	DEC	49 200

TOTAL DISCHARGE, 494 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 106 IS DUE TO CURVE EXTENSION

SPOUT COVE BROOK NEAR SPOUT COVE - STATION NO. 02ZL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.249	0.290B	0.160B	0.170B	0.422	0.289	0.245	0.033	0.063	0.226	1.06	0.373	1
2	1.77	0.260B	0.145B	0.158B	0.370	0.275	0.223	0.033	0.054	0.399	0.728	0.404	2
3	1.28	0.230B	0.129B	0.183	0.374	0.227	0.200	0.033	0.049	0.682	0.565	0.587	3
4	0.704	0.205B	4.00	0.226	0.404	0.263	0.220	0.032	0.060	0.553	0.465	0.599	4
5	0.478	0.182B	3.54	0.435	0.372	0.306	0.217	0.030	0.068	0.438	0.457	0.517	5
6	0.376	0.170B	0.981	0.918	0.334	0.629	0.209	0.029	0.064	0.447	0.426	0.505	6
7	0.313	0.160B	0.544	0.681	0.388	0.729	0.164	0.031	0.058	0.426	0.422	0.562	7
8	0.274	0.148B	0.405	0.670	0.368	0.887	0.168	0.031	0.059	0.371	0.423	0.527	8
9	0.251	0.137B	0.327	0.568	0.385	1.54	0.172	0.031	0.068	0.331	0.366	0.467	9
10	0.234	0.180B	0.280	0.447	0.539	0.923	0.179	0.031	0.060	0.408	0.354	0.579	10
11	0.217	6.62	0.250	0.442	0.533	0.594	0.186	0.029	0.061	0.501	0.403	0.715	11
12	0.222	3.01	0.200B	1.49	0.472	0.445	0.159	0.028	0.069	0.467	0.909	0.520	12
13	0.227	0.915	0.190B	1.40	0.396	0.369	0.140	0.026	0.072	0.420	0.955	0.491	13
14	0.207	0.545	0.173B	0.764	0.353	0.318	0.142	0.025	0.064	0.401	0.763	0.428	14
15	0.193	0.403	0.158B	0.522	0.328	0.289	0.127	0.069	0.057	2.50	0.619	0.360	15
16	0.188	0.295B	0.145B	0.417	0.301	0.238	0.112	0.189	0.056	1.96	0.537	0.344	16
17	0.181	0.260B	0.135B	0.429	0.279	0.236	0.110	0.161	0.055	0.966	0.507	0.377	17
18	0.179	0.220B	0.203	0.487	0.256	0.246	0.107	0.136	0.063	0.622	0.493	0.470	18
19	0.200B	0.182B	0.630	0.448	0.253	0.214	0.109	0.101	0.073	0.490	0.475	0.527	19
20	0.263B	0.178B	0.480	0.378	1.58	0.323	0.113	0.093	0.088	0.569	0.602	0.640	20
21	0.229	0.162B	0.473	0.338	3.45	0.483	0.100	0.084	0.089	0.476	0.586	0.589	21
22	0.204	0.148B	1.12	0.303	2.70	0.794	0.080	0.085	0.108	0.441	0.506	0.500	22
23	0.180	0.139B	0.679	0.379	1.69	1.11	0.070	0.067	0.103	0.365	0.453	0.456	23
24	0.170B	0.190B	0.544	1.04	0.911	0.783	0.067	0.041	0.109	0.328	0.434	0.518	24
25	0.155B	0.289	0.453	1.06	0.632	0.707	0.072	0.040	0.104	0.318	0.424	0.948	25
26	0.145B	0.255	0.347	0.822	0.486	0.694	0.082	0.037	0.335	0.292	0.406	0.882	26
27	0.780B	0.219	0.290B	0.676	0.387	0.546	0.062	0.034	0.454	0.390	0.392	0.720B	27
28	1.27	0.191	0.260B	0.629	0.331	0.431	0.049	0.035	0.354	0.752	0.350	0.620B	28
29	0.680B		0.220B	0.561	0.305	0.351	0.041	0.046	0.291	0.674	0.341	0.500B	29
30	0.500B		0.200B	0.491	0.268	0.282	0.036	0.067	0.248	0.681	0.346	0.428	30
31	0.330B		0.183B		0.346		0.035	0.072		1.10		0.390	31
TOTAL	12.649	16.183	17.844	17.532	20.213	15.521	3.996	1.779	3.456	18.994	15.767	16.543	TOTAL
MEAN	0.408	0.578	0.576	0.584	0.652	0.517	0.129	0.057	0.115	0.613	0.526	0.534	MEAN
MAX	1.77	6.62	4.00	1.49	3.45	1.54	0.245	0.189	0.454	2.50	1.06	0.948	MAX
MIN	0.145	0.137	0.129	0.158	0.253	0.214	0.035	0.025	0.049	0.226	0.341	0.344	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.440
MAXIMUM DAILY, 6.62 ON FEB 11
MINIMUM DAILY, 0.025 ON AUG 14
MAXIMUM INSTANTANEOUS,
9.54E AT 12:26 NST ON FEB 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 48 43 N
LONG 053 09 15 W
DRAINAGE AREA, 10.8 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 090	JUL	345
FEB	1 400	AUG	154
MAR	1 540	SEP	299
APR	1 510	OCT	1 640
MAY	1 750	NOV	1 360
JUN	1 340	DEC	1 430

TOTAL DISCHARGE, 13 900 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 8.06 IS DUE TO CURVE EXTENSION

ST. SHOTTS RIVER NEAR TREPASSEY - STATION NO. 02ZN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.55 B	0.515B	0.450B	0.230E	0.366	0.462	0.935	0.158	0.308	0.529	2.29	1.11	1
2	4.10 B	0.450B	0.400B	0.220E	0.336	0.411	0.794	0.147	0.267	2.15	1.66	1.97	2
3	1.95 B	0.395B	0.680B	0.216A	0.421	0.392	0.652	0.134	0.234	2.60	1.17	1.30	3
4	1.25 B	0.355B	3.90 B	0.228	0.725	0.299	0.498	0.166	0.225	2.15	0.848	1.95	4
5	0.880B	0.325B	3.75 B	0.736	0.535	0.240	0.489	0.166	0.178	1.38	0.617	1.37	5
6	0.650B	0.295B	1.40 B	1.90	0.462	2.04	0.397	0.337	0.165	1.33	0.613	0.793	6
7	0.500B	0.265B	0.900B	1.22	1.18	2.05	0.390	0.947	0.166	1.02	0.561	0.827	7
8	0.420B	0.248B	0.700B	0.791	1.38	3.31	0.426	0.815	0.181	0.794	0.412	0.626	8
9	0.320B	0.230B	0.540B	0.787	1.03	4.59	0.317	0.568	0.189	0.608	0.373	0.477	9
10	0.300B	1.11 B	0.440B	0.929	0.725	2.58	0.304	0.437	0.163	0.644	0.400	1.49	10
11	0.580B	3.70 B	0.360B	0.508	0.641	1.57	0.419	0.389	0.465	0.645	0.400	1.73	11
12	1.12 B	2.10 B	0.300B	0.946	0.535	1.10	0.395	0.337	0.991	0.523	0.916	1.57	12
13	1.80 B	1.50 B	0.250B	1.10	0.593	0.733	0.369	0.353	0.598	0.469	1.24	1.77	13
14	1.11 B	0.790B	0.220B	0.689	0.500	0.506A	0.347	0.460	0.499	0.417	1.15	1.57	14
15	0.820B	0.600B	0.190B	0.475	0.440	0.462A	0.302	1.73	0.378	1.32	0.856	0.893	15
16	0.640B	0.425B	0.170B	0.330	0.416	0.458	0.259	2.05	0.336	1.50	0.852	1.24	16
17	0.520B	0.345B	0.165B	0.875	0.387	1.91	0.273	1.16	0.286	0.962	0.871	1.27	17
18	0.960B	0.285B	0.250B	1.28	0.378	2.13	0.312	0.683	0.290	0.655	0.796	2.05	18
19	1.70 B	0.240B	0.600B	0.895	0.361	1.45	0.296	0.563	0.297	0.479	0.637	1.19	19
20	1.01 B	0.215B	0.880B	0.574	0.827	1.44	0.271	0.517	0.289	1.45	0.842	0.912	20
21	0.780B	0.190B	1.35 B	0.424	1.26	2.26	0.261	0.399	0.289	1.39	0.651	0.964	21
22	0.620B	0.175B	2.15 B	0.347	1.16	2.75	0.266	0.309	0.310	0.828	0.613	0.912	22
23	0.500B	0.154B	1.25 E	0.353A	0.716	1.97	0.251	0.261	0.320	0.606	0.491	0.912	23
24	0.410B	1.50 B	0.900E	5.36 A	0.593	1.28	0.271	0.263	0.271	0.518	0.450	0.965	24
25	0.350B	2.60 B	0.680E	1.49	0.467	1.30	0.280	0.217	0.418	0.392	0.448	0.900	25
26	0.340B	1.25 B	0.520E	1.41	0.366	1.44	0.276	0.219	2.92	0.511	0.475	1.00	26
27	2.20 B	0.840B	0.440E	1.08	0.321	1.06	0.283	0.221	2.78	1.53	0.547	0.996	27
28	1.21 B	0.585B	0.370E	0.995	0.296	0.754	0.247	0.205	1.65	2.09	0.422	0.916	28
29	0.840B		0.320E	0.749	0.275	0.652	0.214	0.255	0.977	1.30	0.396	0.803	29
30	0.700B		0.280E	0.416	0.299	0.592	0.195	0.306	0.716	1.96	0.524	0.758	30
31	0.600B		0.251E		0.329		0.172	0.317		2.56		0.759	31
TOTAL	30.730	21.690	25.056	27.553	18.320	42.191	11.161	15.109	17.156	35.310	22.321	35.993	TOTAL
MEAN	0.991	0.775	0.808	0.918	0.591	1.41	0.360	0.487	0.572	1.14	0.744	1.16	MEAN
MAX	4.10	3.70	3.90	5.36	1.38	4.59	0.935	2.05	2.92	2.60	2.29	2.05	MAX
MIN	0.300	0.154	0.165	0.216	0.275	0.240	0.172	0.147	0.163	0.392	0.373	0.477	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.829
MAXIMUM DAILY, 5.36A ON APR 24
MINIMUM DAILY, 0.147 ON AUG 02

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 42 32 N
LONG 053 29 24 W
DRAINAGE AREA, 15.5 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 660	JUL	964
FEB	1 870	AUG	1 310
MAR	2 160	SEP	1 480
APR	2 380	OCT	3 050
MAY	1 580	NOV	1 930
JUN	3 650	DEC	3 110

TOTAL DISCHARGE, 26 100 dam³

STAR BROOK BELOW STAR LAKE - STATION NO. 02YN003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.30E	10.8	3.52	4.15E	47.0E	27.2	6.14	12.6	3.40	7.89	15.0	19.9	1
2	5.80E	11.6	3.38	3.90E	62.0E	26.1	5.72	11.9	3.14	8.54	13.7	17.9	2
3	6.60E	11.2	3.25	3.80E	75.0E	25.4	5.40	11.9	3.08	9.25	12.4	16.0	3
4	6.25E	10.8	3.16	6.60E	85.8A	23.9	5.06	12.0	3.01	9.46	11.7	14.4	4
5	5.90E	10.6	3.11	11.5 E	80.1	21.3	4.82	12.1	2.84	9.20	12.9	12.8	5
6	5.70E	10.0	3.00	20.0 E	63.5	19.2	4.30	12.0	2.69	9.00	13.5	11.6	6
7	5.40E	9.52	2.91	35.0 E	47.7	17.3	3.99	11.4	2.64	8.82	13.2	10.8	7
8	5.20E	9.02	2.87	57.5 E	37.3	15.5	3.74	10.6	2.61	9.06	12.8	10.1	8
9	4.95E	8.34	2.78	51.0 E	33.0	14.3	3.47	9.73	2.43	9.34	12.0	14.1	9
10	4.75E	7.92	2.72	44.0 E	34.4	12.9	3.42	8.94	2.33	12.5	11.3	31.4	10
11	4.53E	7.92	2.64	38.0 E	38.8	11.5	3.55	8.27	2.43	15.6	10.6	35.5	11
12	4.35E	7.45	2.59	34.0 E	50.0	10.7	3.47	7.61	2.40	16.0	10.4	29.5	12
13	4.15E	7.01	2.48	30.8 E	53.2	9.98	3.34	7.21	2.29	15.4	10.3	24.0	13
14	3.97E	6.55	2.45	27.9 E	50.9	9.32	3.28	6.57	2.24	14.9	10.0	21.0B	14
15	3.75E	6.19	2.39	25.5 E	50.2	8.71	3.16	6.10	2.17	15.1	9.44	19.0B	15
16	3.65E	5.75	2.34	23.0 E	47.5	8.14	2.99	5.74	2.12	15.1	8.90	17.2	16
17	3.50E	5.42	2.29	24.5 E	43.2	7.49	2.91	5.21	2.10	14.3	8.52	15.7	17
18	3.40E	5.20	2.34	27.5 E	38.0	7.54	2.86	4.89	2.25	12.7	8.45	14.9	18
19	3.70E	4.89	2.85	32.5 E	34.4	8.21	2.79	4.81	2.20	12.2	9.67	16.9	19
20	3.56E	4.67	2.83	36.0 E	33.3	8.19	2.90	4.91	2.25	15.0	12.7	27.2	20
21	3.41E	4.44	3.16	32.7 E	31.0	8.02	2.75	5.10	3.38	16.8	15.4	28.3	21
22	3.29E	4.20	3.62	30.5 E	28.6	7.72	2.67	5.25	3.57	16.7	16.2	26.1	22
23	3.17A	4.12	3.71	28.5 E	26.3	7.22	2.67	5.23	3.86	15.9	15.8	22.4	23
24	3.35A	3.96	4.81	27.0 E	24.4	7.30	3.92	5.12	6.22	14.5	18.7	24.6	24
25	3.29	3.88	5.13	25.5 E	23.7	6.82	10.5	4.98	8.65	14.5	21.1	31.4	25
26	3.31	3.87	5.28A	23.8 E	24.2	6.51	19.5	4.61	9.82	14.8	23.6	32.9	26
27	5.92	3.74	5.18E	22.5 E	24.6	6.55	21.7	4.26	10.0	14.7	24.9	30.3	27
28	6.05	3.60	4.95E	28.0 E	27.5	6.86	21.0	4.00	9.75	13.9	22.3	25.1	28
29	7.39		4.75E	33.0 E	33.1	6.78	18.9	3.83	9.05	13.0	21.1	21.1	29
30	8.66		4.58E	38.5 E	31.2	6.57	16.3	3.72	8.49	13.1	21.0	18.1	30
31	10.0		4.35E		28.1		14.4	3.60		14.4		16.2	31
TOTAL	152.85	192.66	105.42	827.95	1 308.0	363.43	211.62	224.19	123.41	401.66	427.58	656.4	TOTAL
MEAN	4.93	6.88	3.40	27.6	42.2	12.1	6.83	7.23	4.11	13.0	14.3	21.2	MEAN
MAX	10.0	11.6	5.28	57.5	85.8	27.2	21.7	12.6	10.0	16.8	24.9	35.5	MAX
MIN	3.17	3.60	2.29	3.80	23.7	6.51	2.67	3.60	2.10	7.89	8.45	10.1	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.7
MAXIMUM DAILY, 85.8A ON MAY 04
MINIMUM DAILY, 2.10 ON SEP 17
MAXIMUM INSTANTANEOUS,
87.2 AT 00:00 NST ON MAY 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 34 46 N
LONG 057 13 41 W
DRAINAGE AREA, 427 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 200	JUL	18 300
FEB	16 600	AUG	19 400
MAR	9 110	SEP	10 700
APR	71 500	OCT	34 700
MAY	113 000	NOV	36 900
JUN	31 400	DEC	56 700

TOTAL DISCHARGE, 432 000 dam³

STE. GENEVIEVE RIVER NEAR FORRESTERS POINT - STATION NO. 02YA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.95B	5.98B	3.30B	3.15B	7.70B	26.5	14.9	5.07	5.13	4.18	13.0	16.2	1
2	4.85B	5.62B	3.27B	3.10B	8.60B	25.9	14.2	5.24	4.76	4.23	14.7	17.5	2
3	4.72B	5.40B	3.25B	3.08B	10.2 B	26.0	13.5	5.27	4.67	4.17	15.3	16.8	3
4	4.60B	5.18B	3.22B	3.03B	11.5 B	26.0	12.8	5.43	4.51	4.04	14.0	17.8	4
5	4.51B	4.95B	3.19B	3.35B	13.6 B	27.1	11.7	5.19	4.16	3.96	13.4	21.7	5
6	4.40B	4.81B	3.15B	3.95B	16.0 B	28.1	11.1	4.96	4.06	3.80	14.5	15.1	6
7	4.36B	4.65B	3.12B	4.60B	18.1 B	27.5	10.7	4.81	3.89	4.71	12.5	13.1	7
8	4.23B	4.55B	3.10B	5.60B	20.9 B	26.5	10.4	4.70	4.48	5.17	12.0	12.6	8
9	4.18B	4.50B	3.08B	6.60B	22.0 B	25.2	9.78	4.64	4.43	5.09	11.7	14.2	9
10	4.05B	4.40B	3.05B	8.00B	24.0 B	24.1	9.49	4.37	4.11	5.26	11.3	15.7	10
11	3.95B	4.35B	3.03B	9.00B	25.5 B	23.1	9.87	4.20	4.07	5.32	11.2	15.2	11
12	3.89B	4.25B	3.00B	8.60B	24.8	21.9	9.84	4.97	3.88	5.33	11.0	14.3	12
13	3.80B	4.19B	2.98B	8.10B	24.4	21.1	9.36	5.66	4.07	5.40	10.8	12.5 B	13
14	3.73B	4.10B	2.95B	7.60B	23.6	19.6	8.69	6.06	4.19	6.24	10.5	11.0 B	14
15	3.68B	4.00B	2.92B	7.10B	22.7	18.5	8.34	8.18	3.96	9.32	10.3	10.0 B	15
16	3.60B	3.95B	2.90B	6.70B	22.0	18.8	8.19	8.05	3.78	9.17	10.1	9.00B	16
17	3.53B	3.90B	3.10B	6.30B	21.5	18.4	7.91	7.18	3.66	8.16	9.87	10.0 B	17
18	3.48B	3.85B	3.20B	7.50B	21.1	19.8	7.85	6.94	4.24	7.74	10.2	11.0 B	18
19	3.40B	3.79B	3.15B	8.50B	20.9	25.6	7.64	7.59	4.33	7.62	11.9	13.3 B	19
20	3.34B	3.74B	3.10B	9.80B	19.9	24.6	7.12	7.50	4.56	7.19	14.3	12.5 B	20
21	3.29B	3.69B	3.05B	10.7 B	19.3	22.7	6.77	6.99	4.61	6.92	15.3	11.5 B	21
22	3.23B	3.64B	3.00B	11.4 B	18.4	21.2	6.84	6.27	5.38	6.88	14.8	10.7 B	22
23	3.18B	3.60B	3.20B	10.8 B	17.7	20.1	6.74	5.71	5.44	6.59	14.4	10.0 B	23
24	3.11B	3.55B	3.50B	9.75B	17.4	18.9	6.46	5.58	5.67	6.47	16.9	11.0 B	24
25	3.06B	3.50B	3.47B	9.20B	17.0	19.5	6.27	5.17	5.68	8.16	18.6	13.5 B	25
26	3.00B	3.45B	3.42B	8.60B	16.4	18.9	6.24	5.04	5.34	9.67	19.4	12.8 B	26
27	3.50B	3.42B	3.38B	8.00B	16.2	17.8	5.93	5.04	5.03	9.32	19.0	12.0 B	27
28	5.50B	3.38B	3.33B	7.60B	15.9	17.0	5.53	5.03	4.68	8.88	18.0	11.5 B	28
29	7.40B		3.28B	7.30B	15.7	16.3	5.33	5.58	4.43	8.52	17.4	11.0 B	29
30	6.90B		3.22B	7.05B	17.7	15.6	5.30	5.82	4.20	8.31	17.6	10.3 B	30
31	6.40B		3.19B		25.5		5.19	5.51		9.37		9.70B	31
TOTAL	129.82	118.39	98.10	214.26	575.40	662.3	269.98	177.75	135.40	205.19	413.97	403.50	TOTAL
MEAN	4.19	4.23	3.16	7.14	18.6	22.1	8.71	5.73	4.51	6.62	13.8	13.0	MEAN
MAX	7.40	5.98	3.50	11.4	25.5	28.1	14.9	8.18	5.68	9.67	19.4	21.7	MAX
MIN	3.00	3.38	2.90	3.03	7.70	15.6	5.19	4.20	3.66	3.80	9.87	9.00	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.33
MAXIMUM DAILY, 28.1 ON JUN 06
MINIMUM DAILY, 2.90B ON MAR 16
MAXIMUM INSTANTANEOUS,
28.2 AT 05:01 NST ON JUN 06

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 18 N
LONG 056 47 32 W
DRAINAGE AREA, 306 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	11 200	JUL	23 300
FEB	10 200	AUG	15 400
MAR	8 480	SEP	11 700
APR	18 500	OCT	17 700
MAY	49 700	NOV	35 800
JUN	57 200	DEC	34 900

TOTAL DISCHARGE, 294 000 dam³

TERRA NOVA RIVER AT GLOVERTOWN - STATION NO. 02YS005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.2B	29.9B	16.9B	19.4B	140	72.1	51.1	22.1	9.21	10.1	50.7	73.5	1
2	18.5B	27.2B	16.4B	19.0B	135	65.6	49.1	21.2	8.62	12.7	50.5	71.7	2
3	20.5B	25.2B	16.0B	26.0B	127	60.1	47.1	21.4	8.66	15.1	53.4	69.4	3
4	23.0B	23.8B	17.0B	42.3	120	58.8	46.1	21.1	8.00	15.2	57.7	66.3	4
5	21.9B	22.4B	21.4B	61.7	113	55.6	45.3	20.7	8.14	15.6	64.7	63.0	5
6	20.8B	21.3B	27.0B	105	105	52.3	44.3	20.1	8.62	18.5	67.1	61.8	6
7	19.8B	20.2B	27.5B	143	100	49.9	40.2	19.1	7.79	19.5	66.1	60.1	7
8	18.9B	19.3B	25.3B	199	102	47.5	38.6	18.5	7.83	19.6	68.4	56.4	8
9	18.2B	18.8B	23.8B	234	98.2	49.1	38.1	18.2	7.53	20.2	65.0	55.1	9
10	18.8B	18.1B	22.2B	264	102	45.7	36.5	18.6	7.72	28.3	63.1	68.1	10
11	19.3B	29.0B	21.0B	275	94.1	43.7	37.3	18.0	8.52	32.2	60.2	66.1	11
12	20.4B	40.3B	20.0B	304	92.8	41.2	34.5	17.5	9.07	32.8	63.9	63.1	12
13	22.9B	37.7B	19.1B	310	90.8	39.8	32.6	17.3	8.08	34.9	60.8	46.0	13
14	22.1B	35.1B	18.0B	287	88.2	38.9	31.7	16.1	8.10	36.9	57.4	76.4	14
15	21.3B	33.0B	17.0B	264	86.4	37.9	29.3	16.1	7.41	41.1	55.4	74.1	15
16	20.8B	31.9B	16.0B	240	83.3	35.9	27.4	16.5	7.42	43.8	53.5	68.0	16
17	20.1B	29.2B	15.3B	218	78.5	34.4	26.4	15.4	7.55	45.1	51.1	64.6	17
18	19.4B	27.4B	16.4B	200	75.0	33.4	25.3	15.3	7.50	45.1	49.9	66.4	18
19	18.9B	26.1B	17.7B	180	70.5	31.0	24.5	14.7	7.48	45.6	50.7	70.2	19
20	18.3B	24.6B	19.2B	163	84.8	40.0	26.8	14.1	7.49	48.5	60.1	73.0	20
21	17.9B	23.3B	21.0B	148	129	54.7	25.9	13.3	7.93	46.1	58.4	71.2	21
22	17.5B	22.1B	23.0B	134	132	46.4	23.7	13.9	9.82	45.0	58.1	69.0B	22
23	17.1B	21.1B	25.2B	125	125	48.4	22.5	14.3	7.69	44.1	61.7	66.0B	23
24	16.8B	20.2B	27.0B	131	118	49.3	23.4	12.5	7.34	42.5	67.7	63.0B	24
25	16.4B	19.6B	26.0B	137	113	52.9	25.3	11.0	8.03	41.9	72.8	78.0B	25
26	16.0B	18.8B	25.0B	143	108	56.2	26.2	11.3	9.82	40.5	71.8	73.5B	26
27	20.0B	18.0B	23.8B	143	100	56.1	24.3	9.38	9.84	40.1	75.6	70.0B	27
28	25.8B	17.4B	22.9B	148	92.6	56.1	23.4	9.63	9.33	42.8	71.4	66.3B	28
29	31.5B		21.9B	148	87.2	55.4	23.3	10.4	9.79	41.4	71.9	63.0B	29
30	37.0B		21.0B	145	79.4	53.8	22.4	10.3	10.1	40.9	74.5	59.5B	30
31	33.5B		20.1B		79.4		22.5	10.0		47.0		57.0B	31
TOTAL	652.6	701.0	650.1	4 956.4	3 150.2	1 469.5	995.1	488.01	249.43	1 053.1	1 853.6	2 050.0	TOTAL
MEAN	21.1	25.0	21.0	165	102	49.0	32.1	15.7	8.31	34.0	61.8	66.1	MEAN
MAX	37.0	40.3	27.5	310	140	72.1	51.1	22.1	10.1	48.5	75.6	78.0	MAX
MIN	16.0	17.4	15.3	19.0	70.5	33.0	22.4	9.38	7.34	10.1	49.9	46.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 50.0
MAXIMUM DAILY, 310 ON APR 13
MINIMUM DAILY, 7.34 ON SEP 24
MAXIMUM INSTANTANEOUS,
325 AT 17:03 NST ON APR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 39 43 N
LONG 054 01 05 W
DRAINAGE AREA, 2 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	56 400	JUL	86 000
FEB	60 600	AUG	42 200
MAR	56 200	SEP	21 600
APR	428 000	OCT	91 000
MAY	272 000	NOV	160 000
JUN	127 000	DEC	177 000

TOTAL DISCHARGE, 1 580 000 dam³

TIDES BROOK BELOW FRESHWATER POND - STATION NO. 02ZG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.26	9.23	5.63	3.33	9.96	6.54	5.44	1.06	0.765	2.49	13.7	9.43
2	13.6	8.31	5.14	2.93	8.88	6.05	4.95	1.32	0.798	4.17	12.5	8.60
3	16.1	7.14	4.79	2.71	9.09	5.67	4.50	1.06	0.803	7.00	11.2	7.64
4	14.5	6.30	14.9	2.71	9.63	5.53	4.05	0.960	0.801	9.08	9.94	6.73
5	13.0	5.62	27.7	9.48	9.00	6.54	3.71	0.911	0.827	9.30	8.96	6.24
6	11.7	5.04	23.4	21.8	8.24	9.88	3.40	0.885	0.842	9.63	7.84	6.15
7	10.2	4.58	18.4	20.2	8.57	10.7	2.98	0.893	0.829	9.65	7.02	6.26
8	8.94	4.06	14.6	21.0	9.38	11.8	2.69	0.889	0.758	8.91	6.48	6.13
9	7.77	3.72	11.6	19.0	9.81	13.2	2.54	0.907	0.733	8.13	5.87	6.55
10	6.82	4.37	9.57	15.9	9.75	12.1	2.55	0.904	0.730	7.73	5.36	13.2
11	6.84	23.8	8.04	14.2	9.25	10.9	2.37	0.895	0.769	7.71	5.53	15.3
12	7.86	35.8	6.78	23.2	8.82	9.53	2.25	0.864	0.807	7.26	8.21	13.6
13	9.29	29.1	5.82	26.5	8.92	8.53	2.02	0.851	0.896	6.71	8.51	11.7
14	7.92	22.9	4.99	24.7	8.31	7.64	1.83	0.806	0.864	6.17	8.26	10.8
15	7.28	17.7	4.28	17.5	7.72	6.78	1.67	0.989	0.867	9.71	7.80	9.57
16	6.68	13.9	3.79	14.7	7.32	6.12	1.57	1.04	0.864	12.3	7.26	8.67
17	5.97	11.4	3.34	14.2	6.58	6.74	1.63	1.06	0.861	11.3	6.72	11.0
18	5.86	9.65	3.24	13.7	6.07	7.92	1.73	1.04	0.880	10.1	6.32	15.0
19	7.15	8.13	4.72	12.2	5.58	7.56	1.68	0.960	0.870	9.54	6.35	16.5
20	7.70	6.98	5.30	10.7	8.33	8.01	1.65	0.906	0.847	8.60	9.00	19.2
21	6.71	6.02	5.97	9.38	14.3	9.14	1.59	0.870	0.957	7.63	9.27	17.4
22	6.15	5.38	9.38	8.50	14.9	9.73	1.53	0.856	0.852	6.93	8.63	15.5
23	5.71	4.72	9.44	9.33	13.8	9.71	1.42	0.792	0.848	6.22	8.39	15.8
24	5.34	4.52	8.89	26.4	12.1	9.02	1.46	0.770	0.977	5.61	13.7	17.1
25	4.95	6.63	7.79	27.6	10.7	8.81	1.53	0.775	1.20	5.41	16.1	18.3
26	4.79	7.43	6.90	23.2	9.52	8.85	1.57	0.765	1.93	5.00	16.3	17.4
27	10.2	6.73	6.15	19.2	8.49	8.19	1.44	0.765	2.34	5.13	14.5	14.8
28	14.9	6.28	5.29	15.9	7.47	7.43	1.38	0.770	2.36	7.19	12.9	13.5
29	13.9		4.67	13.6	6.75	6.70	1.26	0.767	2.37	7.72	11.5	11.1
30	11.9		4.15	11.6	6.25	5.98	1.18	0.766	2.34	9.19	10.2	9.75
31	10.6		3.69		7.03		1.10	0.756		13.2		9.00
TOTAL	273.49	285.34	258.35	452.37	280.42	251.30	70.67	27.852	32.585	244.72	284.32	367.92
MEAN	8.82	10.2	8.33	15.1	9.05	8.38	2.28	0.899	1.09	7.89	9.48	11.9
MAX	16.1	35.8	27.7	27.6	14.9	13.2	5.44	1.32	2.37	13.2	16.3	19.2
MIN	4.26	3.72	3.24	2.71	5.58	5.53	1.10	0.756	0.730	2.49	5.36	6.13

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.75
MAXIMUM DAILY, 35.8 ON FEB 12
MINIMUM DAILY, 0.730 ON SEP 10
MAXIMUM INSTANTANEOUS,
37.4 AT 01:19 NST ON FEB 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 07 38 N
LONG 055 15 54 W
DRAINAGE AREA, 166 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	23 600	JUL	6 110
FEB	24 700	AUG	2 410
MAR	22 300	SEP	2 820
APR	39 100	OCT	21 100
MAY	24 200	NOV	24 600
JUN	21 700	DEC	31 800

TOTAL DISCHARGE, 244 000 dam³

TORRENT RIVER AT BRISTOL'S POOL - STATION NO. 02YC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.00B	33.2	4.45B	2.47B	17.0	113	47.6	15.5	20.2	16.9 E	34.3	38.0B
2	6.80B	32.8	4.15B	2.80B	18.4	110	43.8	15.2	20.8	15.8 E	33.7	32.0B
3	6.65B	29.9	3.95B	3.40B	35.5	104	38.9	14.2	20.3	15.0 E	32.0	28.0B
4	6.52B	26.4	3.85B	4.20B	74.6	113	33.8	13.9	18.8	13.7 E	30.2	23.0B
5	6.38B	22.9	3.68B	5.13	94.0	133	29.2	13.1	17.2	13.0 E	28.7	20.0B
6	6.23B	20.4	3.59B	6.29	88.7	150	24.8	12.5	15.8	12.2 E	26.6	17.0B
7	6.08B	18.2	3.48B	8.77	77.4	131	21.6	12.2	14.5	11.7 E	24.3	16.0B
8	5.95B	16.7	3.37B	13.7	66.6	103	19.3	12.0	13.5	11.0 E	22.1	16.0B
9	5.82B	15.8	3.27B	18.6	56.2	80.8	17.4	11.9	12.8	10.3 A	20.4	17.5B
10	5.75B	14.6	3.17B	21.0	48.2	67.1	16.0	11.4	12.3	10.2	19.0	20.0B
11	5.60B	13.2	3.09B	21.9	46.3	55.5	16.5	11.2	12.0	9.87	17.9	25.0B
12	5.50B	12.3	3.00B	21.3	52.0	47.7	16.7	10.9	11.4	9.88	17.3	32.0B
13	5.40B	11.5	2.92B	19.6	67.5	42.7	17.7	10.6	11.0	10.2	16.7	28.0B
14	5.30B	11.1	2.85B	17.6	84.5	38.9	18.4	10.7	11.0	12.9	16.0	23.8B
15	5.20B	10.6 B	2.79B	16.0	86.9	36.6	18.5	13.3	11.0A	37.6	15.5	21.0B
16	5.10B	9.70B	2.70B	15.8	76.7	36.8	18.2	17.5	11.0E	96.3	14.9	19.7B
17	5.00B	9.10B	2.85B	16.0	67.5	39.7	17.7	23.0	11.3E	107	14.1	17.0B
18	4.90B	8.50B	3.00B	17.4	63.1	44.1	17.0	30.0E	11.9E	85.5	13.7	15.8B
19	4.80B	7.95B	2.85B	20.2	58.2	57.8	16.1	40.0E	12.5E	65.3	15.2	15.8B
20	4.75B	7.45B	2.75B	22.7	51.4	122	15.3	53.7A	13.9E	52.0	18.2	16.4B
21	4.65B	6.95B	2.60B	23.7	44.7	142	14.9	57.3	14.5E	43.1	26.6	18.0B
22	4.60B	6.50B	2.75B	24.3	39.0	116	14.3	51.7	16.3E	38.2	38.5	19.6B
23	4.52B	6.15B	3.00B	23.9	34.2	86.9	13.6	42.7	17.5E	34.5	43.6	17.5B
24	4.45B	5.80B	2.95B	22.6	31.2	65.3	13.1	35.2	19.0E	31.8	48.0	17.9B
25	4.41B	5.50B	2.85B	21.0	29.9	53.7	12.5	29.6	20.5E	32.9	58.2	19.0B
26	4.38B	5.20B	2.79B	19.3	29.7	48.8	11.6	24.9	22.0E	42.4	68.8	20.0B
27	6.50B	4.95B	2.71B	18.4	29.8	46.6	11.3	21.1	23.5E	54.0	73.7	20.8B
28	9.64	4.75B	2.66B	17.8	30.7	44.6	12.6	18.6	21.2E	54.4	67.1	19.2B
29	17.6		2.59B	17.3	35.5	44.3	14.3	17.4	19.2E	47.0	57.0	18.0B
30	27.3		2.53B	17.2	51.7	47.4	15.5	17.7	18.0E	39.6	48.9	17.0B
31	31.9		2.50B		84.0		15.9	19.0		35.0		15.8B
TOTAL	234.68	378.10	95.69	480.36	1 671.1	2 332.3	614.1	688.0	474.9	1 069.25	961.2	643.8
MEAN	7.57	13.5	3.09	16.0	53.9	77.7	19.8	22.2	15.8	34.5	32.0	20.8
MAX	31.9	33.2	4.45	24.3	94.0	150	47.6	57.7	23.5	107	73.7	38.0
MIN	4.38	4.75	2.50	2.47	17.0	36.6	11.3	10.6	11.0	9.87	13.7	15.8

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.4
MAXIMUM DAILY, 150 ON JUN 06
MINIMUM DAILY, 2.47B ON APR 01
MAXIMUM INSTANTANEOUS,
154 AT 12:25 NST ON JUN 06

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 36 27 N
LONG 057 09 04 W
DRAINAGE AREA, 624 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 300	JUL	53 100
FEB	32 700	AUG	59 400
MAR	8 270	SEP	41 000
APR	41 500	OCT	92 400
MAY	144 000	NOV	83 000
JUN	202 000	DEC	55 600

TOTAL DISCHARGE, 833 000 dam³

TROUT BROOK NEAR BELLEVUE - STATION NO. 02ZK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00 B	1.18 B	0.580B	0.345B	2.00	1.45	1.20	0.128	0.311	1.60	3.44	3.20	1
2	8.00 B	0.920B	0.520B	0.316	1.62	1.38	1.04	0.133	0.261	3.08	2.73	4.28	2
3	3.90 B	0.760B	4.00 B	0.354	2.16	1.46	0.862	0.128	0.311	3.22	1.99	6.41	3
4	2.55 B	0.615B	13.0 B	0.547	2.43	1.08	0.898	0.124	0.896	3.82	1.70	6.21	4
5	1.81 B	0.535B	5.70 B	2.18	2.12	4.98	0.923	0.106	0.636	3.35	1.86	4.72	5
6	1.40 B	0.469B	3.50 B	3.43	1.99	9.17	0.774	0.111	0.512	3.06	1.71	4.03	6
7	1.10 B	0.415B	2.30 B	2.42	1.79	7.22	0.662	0.161	0.415	2.70	1.59	4.68	7
8	0.900B	0.370B	1.60 B	2.16	1.93	10.7	0.774	0.144	0.599	2.36	1.68	4.67	8
9	0.760B	0.335B	1.21 B	2.42	2.35	10.4	0.933	0.147	0.884	2.08	1.66	4.52	9
10	0.620B	2.15 B	0.970B	1.74	2.88	5.50	0.953	0.151	0.657	2.58	1.46	8.09	10
11	0.840B	11.0 B	0.770B	1.99	2.46	3.84	1.12	0.131	0.790	1.68	1.63	6.69	11
12	0.980B	6.90 B	0.670B	9.76	2.79	2.70	0.706	0.114	0.893	1.27	3.05	5.81	12
13	0.800B	4.00 B	0.550B	5.22	2.09	1.75	0.568	0.111	0.739	1.15	3.01	3.35	13
14	0.680B	2.60 B	0.480B	3.61	1.59	1.33	0.489	0.113	0.737	1.07	3.07	2.07	14
15	0.580B	1.88 B	0.420B	2.64	1.46	1.16	0.428	1.07	0.820	5.94	3.43	2.82	15
16	0.520B	1.39 B	0.375B	2.08	1.39	1.06	0.367	0.887	0.813	4.09	3.46	1.64	16
17	0.457B	1.08 B	0.330B	3.01	1.34	2.87	0.323	0.520	0.837	3.16	3.39	2.03	17
18	0.800B	0.860B	0.300B	2.57	1.48	2.44	0.294	0.331	0.844	2.40	3.42	2.72	18
19	1.50 B	0.700B	0.375B	2.13	2.19	1.96	0.286	0.406	1.17	1.90	3.16	3.38	19
20	1.00 B	0.600B	0.748	1.64	11.7 E	3.68	0.264	0.564	1.04	2.70	3.23	3.73	20
21	0.790B	0.510B	1.95	1.43	9.82	3.83	0.249	0.530	1.52	1.93	2.72	2.93	21
22	0.660B	0.435B	3.24	1.77	5.66	4.16	0.237	0.534	1.20	1.52	2.48	2.47	22
23	0.555B	0.400B	1.77	4.55	4.37	4.63	0.225	0.478	0.833	1.32	2.42	2.27	23
24	0.485B	0.600B	1.18 B	9.22	3.32	3.15	0.246	0.404	1.07	1.07	2.39	3.81	24
25	0.420B	0.540B	0.890B	5.20	2.76	3.55	0.268	0.370	1.07	1.02	2.33	4.50	25
26	1.20 B	0.465B	0.715B	3.85	2.43	3.32	0.248	0.283	3.28	0.992	2.22	3.22	26
27	3.00 B	0.440B	0.605B	3.06	2.30	2.56	0.224	0.203	2.67	2.07	2.15	2.67	27
28	6.00 B	0.680B	0.525B	2.15	1.92	2.11	0.177	0.147	2.39	3.97	1.86	2.30B	28
29	3.00 B		0.460B	2.64	1.47	1.78	0.154	0.301	2.08	2.88	2.04	1.70B	29
30	2.03 B		0.418B	2.20	1.09	1.47	0.153	0.346	1.68	2.85	2.34	1.30B	30
31	1.51 B		0.377B		1.70		0.144	0.348		3.47		1.42B	31
TOTAL	51.847	42.829	50.528	88.632	86.60	106.69	16.189	9.524	31.958	76.302	73.62	113.64	TOTAL
MEAN	1.67	1.53	1.63	2.95	2.79	3.56	0.522	0.307	1.07	2.46	2.45	3.67	MEAN
MAX	8.00	11.0	13.0	9.76	11.7	10.7	1.20	1.07	3.28	5.94	3.46	8.09	MAX
MIN	0.420	0.335	0.300	0.316	1.09	1.06	0.144	0.106	0.261	0.992	1.46	1.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.05
MAXIMUM DAILY, 13.0B ON MAR 04
MINIMUM DAILY, 0.106 ON AUG 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 36 21 N
LONG 053 45 53 W
DRAINAGE AREA, 50.3 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 480	JUL	1 400
FEB	3 700	AUG	823
MAR	4 370	SEP	2 760
APR	7 660	OCT	6 590
MAY	7 480	NOV	6 360
JUN	9 220	DEC	9 820

TOTAL DISCHARGE, 64 700 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 11.2 IS DUE TO CURVE EXTENSION

UGJOKTOK RIVER BELOW HARP LAKE - STATION NO. 03NF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	40.5B	27.0B	21.1B	17.4B	15.3B	569	340	155 E	86.6	212	114 B	56.0B	1
2	40.0B	26.8B	20.9B	17.3B	15.3B	537	315	148 E	86.4	210	107 B	55.0B	2
3	39.3B	26.4B	20.8B	17.2B	15.4B	652	293	139 E	85.4	208	101 B	54.0B	3
4	38.8B	26.2B	20.6B	17.1B	15.5B	791	275	133 E	84.3	204	95.0B	53.0B	4
5	38.1B	26.0B	20.4B	17.0B	15.7B	945	262	128 E	83.9	200	90.0B	52.5B	5
6	37.5B	25.7B	20.3B	16.9B	16.0B	887	263	122 E	84.6	203	86.0B	51.8B	6
7	37.0B	25.5B	20.2B	16.8B	16.3B	770	259	118 E	84.1	205	83.0B	50.9B	7
8	36.3B	25.2B	20.1B	16.7B	16.8B	698	249	112 E	87.6	202	80.0B	50.0B	8
9	35.8B	25.0B	19.9B	16.6B	17.3B	685	237	109 E	91.2	194	78.0B	49.5B	9
10	35.4B	24.8B	19.8B	16.5B	17.9B	679	229	114 A	90.9	185	76.3B	48.5B	10
11	34.8B	24.5B	19.7B	16.5B	18.8B	679	227	109	90.3	178	74.5B	47.8B	11
12	34.4B	24.3B	19.5B	16.4B	20.0B	679	224	105	89.6	174	73.5B	47.0B	12
13	33.9B	24.0B	19.4B	16.4B	21.2B	669	215	103	88.1	173	72.5B	46.5B	13
14	33.5B	23.8B	19.3B	16.3B	24.0B	660	206	101	86.6	172	71.0B	45.9B	14
15	33.0B	23.6B	19.2B	16.3B	27.5B	750	196	97.6	86.3	170	70.5B	45.0B	15
16	32.5B	23.4B	19.1B	16.2B	34.0B	818	188	95.6	98.8	171	69.8B	44.5B	16
17	32.1B	23.2B	18.9B	16.1B	40.0B	769	178	92.6	138	171	68.2B	43.7B	17
18	31.8B	23.0B	18.8B	16.0B	49.0B	735	172	91.6	211	169	67.5B	43.0B	18
19	31.3B	22.9B	18.6B	16.0B	57.0B	691	171	90.9	247	164	66.7B	42.7B	19
20	30.8B	22.7B	18.5B	15.9B	70.0B	627	186	90.1	251	162	65.6B	42.0B	20
21	30.5B	22.5B	18.4B	15.8B	86.0B	566	214	87.9	247	167	64.9B	41.0B	21
22	30.2B	22.3B	18.3B	15.7B	110 B	509	233	86.1	238	162	63.8B	40.5B	22
23	29.8B	22.1B	18.2B	15.7B	140 B	467	233	83.6	227	161	63.0B	40.0B	23
24	29.5B	22.0B	18.1B	15.6B	190 B	438	223	82.3	227	160	62.1B	39.5B	24
25	29.1B	21.8B	18.0B	15.6B	376	431	214	80.6	237	157	61.0B	38.8B	25
26	28.8B	21.6B	17.9B	15.5B	300 B	435	211E	79.3	240	154	60.2B	38.3B	26
27	28.5B	21.5B	17.8B	15.5B	400 B	428	200E	78.2	236	146	59.5B	37.8B	27
28	28.2B	21.3B	17.7B	15.4B	540 B	413	190E	79.7	232	139	58.5B	37.2B	28
29	28.0B		17.6B	15.4B	660 B	391	182E	81.8	227	136B	58.0B	36.7B	29
30	27.5B		17.5B	15.3B	695	368	170E	84.3	221	128B	57.0B	36.0B	30
31	27.2B		17.4B		643		162E	85.6		122B		35.5B	31
TOTAL	1 024.1	669.1	592.0	487.1	4 662.0	18 736	6 917	3 163.8	4 583.7	5 359	2 218.1	1 390.6	TOTAL
MEAN	33.0	23.9	19.1	16.2	150	625	223	102	153	173	73.9	44.9	MEAN
MAX	40.5	27.0	21.1	17.4	695	945	340	155	251	212	114	56.0	MAX
MIN	27.2	21.3	17.4	15.3	15.3	368	162	78.2	83.9	122	57.0	35.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 136
MAXIMUM DAILY, 945 ON JUN 05
MINIMUM DAILY, 15.3B ON APR 30
MAXIMUM INSTANTANEOUS,
959 AT 12:45 NST ON JUN 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 14 00 N
LONG 061 17 57 W
DRAINAGE AREA, 7 570 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	88 500	JUL	598 000
FEB	57 800	AUG	273 000
MAR	51 100	SEP	396 000
APR	42 100	OCT	463 000
MAY	403 000	NOV	192 000
JUN	1 620 000	DEC	120 000

TOTAL DISCHARGE, 4 300 000 dam³

NEWFOUNDLAND

UPPER HUMBER RIVER ABOVE BLACK BROOK - STATION NO. 02YL008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	3.71B	70.0 B	5.38B	16.9B	17.5B	126	23.7	11.1	8.33	10.5	25.4	45.1	
2	3.60B	59.0 B	5.02B	15.0B	21.0B	87.8	23.7	9.69	6.78	13.4	20.6	36.7	
3	3.45B	51.0 B	4.80B	14.0B	63.0B	130	19.8	9.56	5.96	14.4	19.3	24.1	
4	3.32B	44.0 B	4.60B	17.1B	156	156	16.8	19.0	5.23	12.7	17.6	19.9	
5	3.20B	38.5 B	4.40B	21.0B	108	201	14.3	30.1	4.90	12.0	17.4	18.3B	
6	3.08B	33.0 B	4.20B	46.0B	69.8	152	12.5	30.0	4.58	11.2	19.8	15.3B	
7	2.95B	29.0 B	4.02B	55.0B	51.4	102	11.1	22.7	4.33	12.9	18.4	14.0B	
8	2.85B	25.8 B	3.92B	60.0B	40.3	86.0	9.85	16.7	4.33	16.3	17.0	13.4B	
9	2.75B	23.0 B	3.80B	57.0B	31.7	79.5	9.40	13.4	5.12	15.2	14.7	26.3B	
10	2.65B	21.8 B	3.65B	51.0B	29.9	71.6	8.87	10.9	5.24	16.4	13.0	109	1
11	2.55B	21.4 B	3.60B	46.0B	41.9	62.9	8.82	9.30	5.41	19.6	13.3	89.5	1
12	2.46B	21.0 B	3.70B	41.0B	59.1	59.2	9.51	8.41	5.76	18.4	10.9	48.0B	1
13	2.38B	19.1 B	3.71B	36.5B	96.0	54.6	11.0	8.16	6.10	22.7	11.1	29.0B	1
14	2.30B	17.1 B	3.65B	33.0B	96.5	53.4	11.5	9.33	6.30	40.2	11.1	22.0B	1
15	2.21B	15.6 B	3.52B	29.0B	73.6	58.6	10.8	12.4	6.26	136	10.4	18.5B	1
16	2.14B	14.2 B	3.40B	26.0B	76.3	73.8	10.1	13.4	6.29	118	8.52	16.5B	1
17	2.08B	13.0 B	3.30B	28.5B	84.3	73.7	9.84	12.1	6.67	66.7	8.91	14.2B	1
18	2.00B	12.0 B	3.45B	32.5B	81.3	65.7	9.47	12.0	18.4	44.3	7.82	13.2B	1
19	1.94B	11.0 B	3.80B	34.5B	64.2	90.6	8.78	33.3	26.7	35.5	13.5	12.6B	1
20	1.88B	10.2 B	4.40B	33.0B	47.5	166	8.25	75.1	26.5	62.2	49.5	18.5B	2
21	1.82B	9.50B	5.60B	30.5B	35.1	109	7.60	54.9	31.0	61.8	89.2	30.0B	2
22	1.77B	8.75B	8.63B	27.8B	27.0	68.0	7.13	36.4	35.5	46.6	79.1	23.0B	2
23	1.71B	8.15B	13.5 B	25.5B	24.1	48.9	6.59	25.0	31.7	35.1	53.6	18.5B	2
24	1.67B	7.55B	20.0 B	23.0B	25.6	37.5	6.56	17.8	42.6	33.4	68.4	16.4B	2
25	1.62B	7.10B	25.0 B	21.1B	31.1	31.3	7.37	13.9	47.1	51.2	77.7	46.0B	2
26	1.58B	6.60B	26.5 B	18.7B	33.7	30.5	8.53	11.6	35.0	63.3	71.3	32.0B	2
27	4.30B	6.20B	27.0 B	19.9B	45.5	31.8	12.5	9.56	24.6	47.9	54.9	24.0B	2
28	12.0 B	5.81B	24.5 B	23.0B	75.0	29.5	22.8	8.30	17.8	33.7	37.9	19.3B	2
29	38.0 B		22.5 B	20.8B	103	27.2	23.1	7.42	14.5	24.2	30.5	17.0B	2
30	90.0 B		20.5 B	19.0B	132	24.9	17.7	8.52	12.1	19.1	39.2	14.9B	3
31	82.0 B		18.7 B		171		13.7	10.4		20.5		13.5B	3
TOTAL	289.97	609.36	292.75	922.3	2 012.4	2 389.0	381.67	570.45	461.09	1 135.4	928.65	858.7	TOT
MEAN	9.35	21.8	9.44	30.7	64.9	79.6	12.3	18.4	15.4	36.6	31.0	27.7	MEA
MAX	90.0	70.0	27.0	60.0	171	201	23.7	75.1	47.1	136	89.2	109	MAX
MIN	1.58	5.81	3.30	14.0	17.5	24.9	6.56	7.42	4.33	10.5	7.82	12.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.7
MAXIMUM DAILY, 201 ON JUN 05
MINIMUM DAILY, 1.58B ON JAN 26
MAXIMUM INSTANTANEOUS,
208 AT 07:18 NST ON JUN 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 09 N
LONG 057 17 39 W
DRAINAGE AREA, 471 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 100	JUL	33 000
FEB	52 600	AUG	49 300
MAR	25 300	SEP	39 800
APR	79 700	OCT	98 100
MAY	174 000	NOV	80 200
JUN	206 000	DEC	74 200

TOTAL DISCHARGE, 937 000 dam³

UPPER HUMBER RIVER NEAR REIDVILLE - STATION NO. 02YL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	9.70B	200 B	13.9 B	49.0B	94.9	480	52.7	31.4	35.1	44.1	103	86.0B	1
2	9.30B	185 B	13.2 B	45.5B	164	377	49.4	27.5	31.0	46.3	98.6	75.0B	2
3	8.90B	155 B	12.7 B	42.5B	283	285	46.7	24.1	26.9	53.7	81.4	62.0B	3
4	8.60B	121 B	12.1 B	42.0B	405	304	42.9	23.7	23.5	53.5	71.2	53.0B	4
5	8.30B	94.0B	11.6 B	48.0B	439	352	38.2	34.2	20.1	47.3	76.4	46.0B	5
6	7.95B	80.0B	11.1 B	100 B	337	396	34.5	47.7	18.9	43.6	79.4	38.0B	6
7	7.60B	69.0B	10.7 B	165	246	335	31.0	51.0	17.3	41.4	71.4	33.0B	7
8	7.35B	61.0B	10.3 B	232	186	243	27.9	46.1	17.4	40.7	63.8	30.0B	8
9	7.05B	58.0B	9.90B	253	149	189	25.4	38.6	17.1	43.5	57.8	65.0B	9
10	6.70B	56.0B	9.60B	228	134	162	23.8	33.3	16.4	67.4	52.4	273	10
11	6.40B	55.0B	9.30B	182	148	144	24.1	28.9	17.1	89.8	47.9	354	11
12	6.30B	53.0B	9.00B	149	176	125	25.4	25.4	17.3	86.7	44.3	248	12
13	6.05B	49.5B	9.65B	131	233	113	25.0	23.1	16.9	75.7	41.7	129	13
14	5.85B	44.0B	9.50B	122	286	104	25.2	29.1	16.7	80.7	38.8	110	14
15	5.65B	39.5B	9.20B	116	279	98.1	25.1	26.3	16.8	172	37.2	78.0	15
16	5.50B	36.0B	8.95B	109	241	98.2	24.1	25.9	16.8	313	35.6	70.0	16
17	5.30B	32.8B	8.60B	112	238	111	22.6	26.7	16.9	283	34.1	66.2	17
18	5.10B	30.0B	11.6 B	135	239	115	20.7	28.9	22.2	189	32.4	66.4	18
19	4.98B	27.3B	15.7 B	158	218	112	20.5	50.9	41.7	132	45.2	84.1	19
20	4.80B	25.2B	21.0 B	157	177	172	20.1	94.4	59.4	152	103	102	20
21	4.63B	23.5B	28.5 B	144	138	259	18.7	114	69.4	199	160	94.3	21
22	4.53B	21.8B	39.0 B	136	110	214	18.2	93.6	87.8	172	202	72.0B	22
23	4.39B	20.0B	49.0 B	120	93.2	150	17.4	71.8	91.2	133	180	78.0B	23
24	4.27B	18.9B	57.0 B	99.3	85.4	109	17.6	56.2	100	104	194	90.0B	24
25	4.18B	17.8B	63.0 B	82.9	83.7	86.2	28.4	45.1	128	109	240	110 B	25
26	4.02B	16.7B	67.0 B	80.1	83.7	75.7	34.0	38.4	124	163	230	150 B	26
27	10.0 B	15.7B	70.0 B	90.5	87.9	68.3	36.3	32.8	96.8	164	201	130 B	27
28	25.0 B	14.8B	66.0 B	103	120	63.9	33.8	28.9	75.4	129	156	110 B	28
29	55.0 B		62.0 B	95.7	179	59.2	36.6	25.9	60.6	101	126	95.0B	29
30	115 B		57.0 B	91.4	250	56.0	39.5	24.5	50.9	83.5	109	83.0B	30
31	187 B		53.5 B		402		36.4	29.1		84.6		74.0B	31
TOTAL	555.40	1 620.5	839.60	3 618.9	6 305.6	5 458.6	923.2	1 285.5	1 349.3	3 497.5	3 013.9	3 155.0	TOTA
MEAN	17.9	57.9	27.1	121	203	182	29.8	41.5	45.0	113	100	102	MEAN
MAX	187	200	70.0	253	439	480	52.7	114	128	313	240	354	MAX
MIN	4.02	14.8	8.60	42.0	83.7	56.0	17.4	23.7	16.4	40.7	32.7	30.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 86.6
MAXIMUM DAILY, 480 ON JUN 01
MINIMUM DAILY, 4.02B ON JAN 26
MAXIMUM INSTANTANEOUS,
489 AT 09:51 NST ON JUN 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 14 26 N
LONG 057 21 45 W
DRAINAGE AREA, 2 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	48 000	JUL	79 800
FEB	140 000	AUG	111 000
MAR	72 500	SEP	117 000
APR	313 000	OCT	302 000
MAY	545 000	NOV	260 000
JUN	472 000	DEC	273 000

TOTAL DISCHARGE, 2 730 000 dam³

VIRGINIA RIVER AT CARTWRIGHT PLACE - STATION NO. 02ZM019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.205	0.128B	0.113	0.046	0.208	0.233	0.159	0.045	0.193	0.188	0.623	0.200	1
2	0.972	0.100B	0.084	0.047	0.181	0.204	0.139	0.053	0.148	0.550	0.449	0.202	2
3	0.680	0.087B	0.145	0.056	0.206	0.169	0.122	0.050	0.120	0.832	0.337	0.565	3
4	0.416	0.075B	1.16	0.077	0.248	0.126	0.128	0.051	0.127	0.550	0.259	0.469	4
5	0.287	0.065B	0.922	0.123	0.224	0.119	0.140	0.047	0.109	0.382	0.221	0.329	5
6	0.216	0.058B	0.418	0.195	0.202	0.239	0.130	0.052	0.094	0.299	0.208	0.309	6
7	0.173	0.053B	0.226	0.199	0.248	0.267	0.122	0.058	0.084	0.237	0.189	0.336	7
8	0.142	0.047B	0.134	0.183	0.300	0.352	0.156	0.058	0.090	0.199	0.175	0.286	8
9	0.115	0.043B	0.088	0.180	0.294	0.581	0.165	0.052	0.092	0.165	0.163	0.240	9
10	0.100	0.149	0.069	0.138	0.327	0.428	0.160	0.047	0.078	0.224	0.159	0.381	10
11	0.129	1.29	0.052B	0.125	0.297	0.300	0.140	0.044	0.107	0.251	0.189	0.454	11
12	0.158	0.844	0.044B	0.183	0.251	0.235	0.130A	0.039	0.130	0.220	0.353	0.344	12
13	0.202	0.431	0.038B	0.239	0.225	0.195	0.100E	0.037	0.118	0.198	0.376	0.275A	13
14	0.175	0.264	0.034B	0.195	0.191	0.171	0.082E	0.034	0.100	0.181	0.306	0.330E	14
15	0.147	0.168	0.030B	0.150	0.170	0.147	0.113E	0.089	0.089	0.422	0.247	0.290E	15
16	0.123	0.110	0.027B	0.120	0.160	0.136	0.092E	0.094	0.082	0.474	0.209	0.260E	16
17	0.114	0.084B	0.024B	0.205	0.150	0.213	0.086E	0.085	0.082	0.339	0.206	0.582E	17
18	0.111	0.068B	0.057	0.446	0.133	0.217	0.067E	0.069	0.127	0.245	0.196	0.522A	18
19	0.108	0.055B	0.172	0.340	0.159	0.187	0.075E	0.071	0.132	0.194	0.184	0.414	19
20	0.153	0.045B	0.147	0.240	1.49	0.265	0.080E	0.077	0.143	0.232	0.179	0.375	20
21	0.120	0.038B	0.157	0.185	1.63	0.297	0.073E	0.066	0.143	0.219	0.171	0.278	21
22	0.095B	0.033B	0.355	0.152	1.30	0.303	0.067E	0.059	0.132	0.181	0.152	0.220	22
23	0.078B	0.029B	0.227	0.163	1.08	0.486	0.063E	0.051	0.115	0.157	0.143	0.200	23
24	0.067B	0.192	0.167	0.328	0.698	0.396	0.079E	0.048	0.105	0.139	0.166	0.299	24
25	0.058B	0.507	0.126	0.421	0.507	0.461	0.060A	0.044	0.133	0.124	0.175	0.387	25
26	0.094	0.389	0.097	0.380	0.401	0.534	0.056	0.041	1.54	0.133	0.176	0.305	26
27	0.741	0.234	0.083	0.331	0.313	0.369	0.052	0.039	0.988	0.334	0.188	0.181	27
28	0.759	0.150	0.070	0.336	0.257	0.266	0.046	0.038	0.545	0.797	0.164	0.150	28
29	0.417		0.060	0.293	0.200	0.210	0.046	0.180	0.361	0.570	0.144	0.134	29
30	0.237		0.051	0.240	0.225	0.172	0.050	0.249	0.256	0.595	0.153	0.125	30
31	0.173		0.047		0.267		0.047	0.229		0.891		0.132	31
TOTAL	7.647	5.736	5.424	6.310	12.542	8.278	3.015	2.196	6.563	10.522	6.860	9.574	TOTAL
MEAN	0.247	0.205	0.175	0.210	0.405	0.276	0.097	0.071	0.219	0.339	0.229	0.309	MEAN
MAX	0.972	1.29	1.16	0.446	1.63	0.581	0.165	0.249	1.54	0.891	0.623	0.582	MAX
MIN	0.058	0.029	0.024	0.046	0.133	0.119	0.046	0.034	0.078	0.124	0.143	0.125	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.232
MAXIMUM DAILY, 1.63 ON MAY 21
MINIMUM DAILY, 0.024B ON MAR 17
MAXIMUM INSTANTANEOUS,
2.42 AT 21:32 NST ON MAY 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 36 06 N
LONG 052 42 06 W
DRAINAGE AREA, 5.55 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	661	JUL	260
FEB	496	AUG	190
MAR	469	SEP	567
APR	545	OCT	909
MAY	1 080	NOV	593
JUN	715	DEC	827

TOTAL DISCHARGE, 7 310 dam³

VIRGINIA RIVER AT PLEASANTVILLE - STATION NO. 02ZM018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.797	0.309	0.253	0.107	0.435	0.470E	0.232	0.074	0.221	0.270E	1.17	0.480	1
2	2.63	0.250B	0.208	0.125	0.383	0.390E	0.197	0.110	0.177	0.500E	0.813	0.706	2
3	1.17	0.220B	0.684	0.178	0.512	0.315E	0.182	0.087	0.185	1.22 E	0.615	1.52	3
4	0.706	0.194B	4.36	0.226	0.534	0.260E	0.171	0.080	0.222	0.960E	0.472	0.928	4
5	0.581	0.178B	1.77	0.342	0.446	0.240E	0.227	0.074	0.173	0.692A	0.466	0.681	5
6	0.491	0.160B	0.706	0.479	0.425	0.440E	0.187	0.119	0.149	0.554	0.412	0.811	6
7	0.402	0.148B	0.450	0.409	0.681	0.550E	0.155	0.097	0.122	0.451	0.352	0.751	7
8	0.337	0.138B	0.322	0.414	0.694	0.815E	0.308	0.088	0.176	0.367	0.371	0.611	8
9	0.284	0.130B	0.215	0.388	0.638	1.17 E	0.282	0.090	0.134	0.300	0.328	0.567	9
10	0.253	0.686	0.182	0.305	0.668	0.880E	0.226	0.064	0.116	0.609	0.381	1.06	10
11	0.407	4.16	0.157	0.291	0.574	0.670E	0.210	0.066	0.253	0.476	0.563	0.866	11
12	0.394	1.33	0.141B	0.495	0.472	0.510E	0.183	0.068	0.201	0.379	0.844	0.650	12
13	0.522	0.694	0.116B	0.494	0.428	0.400E	0.182	0.061	0.158	0.327	0.771	0.390	13
14	0.394	0.479	0.112B	0.397	0.379	0.335E	0.153	0.056	0.107	0.342	0.614	0.499	14
15	0.323	0.338	0.102B	0.310	0.351	0.305E	0.217	0.311	0.083	1.26	0.532	0.396	15
16	0.292	0.231	0.095B	0.251	0.323	0.285E	0.137	0.159	0.312	0.799	0.529	0.338	16
17	0.289	0.195B	0.088B	0.738	0.292	0.435E	0.127	0.127	0.248	0.571	0.502	1.13	17
18	0.383	0.166B	0.295	0.917	0.277	0.415E	0.126	0.119	0.284	0.416	0.474	1.06	18
19	0.575	0.147B	0.612	0.627	0.450	0.390E	0.145	0.151	0.240	0.353	0.449	0.827	19
20	0.400B	0.131B	0.327	0.472	4.10	0.520E	0.156	0.121	0.195	0.587	0.434	0.799	20
21	0.315B	0.120B	0.578	0.354	3.00 A	0.580E	0.140	0.100	0.152	0.393	0.379	0.546	21
22	0.260B	0.111B	0.878	0.300	2.40 E	0.670E	0.119	0.091	0.191	0.325	0.347	0.477	22
23	0.220B	0.103B	0.447	0.414	1.95 E	0.970E	0.103	0.079	4.42	0.279	0.356	0.485	23
24	0.195B	0.992	0.352	0.885	1.45 E	0.820E	0.139	0.073	2.06	0.225	0.406	0.819	24
25	0.170B	1.36	0.248	0.797	1.21 E	0.940E	0.108	0.064	0.894	0.226	0.383	0.785	25
26	0.367	0.721	0.199	0.767	0.890E	1.08 E	0.098	0.064	0.587	0.319	0.429	0.610	26
27	2.70	0.438	0.190	0.621	0.660E	0.650A	0.095	0.062	0.354	1.05	0.412	0.413	27
28	1.20	0.324	0.148	0.751	0.525E	0.457	0.088	0.071	0.316A	1.79	0.364	0.278	28
29	0.748		0.135	0.639	0.440E	0.390	0.100	0.684	0.310E	0.925	0.321	0.240B	29
30	0.451		0.123	0.515	0.490E	0.274	0.077	0.410	0.290E	1.47	0.426	0.201B	30
31	0.356		0.110		0.540E		0.074	0.316		1.87		0.350	31
TOTAL	18.612	14.453	14.613	13.998	26.617	16.626	4.944	4.136	13.330	20.305	14.915	20.274	TOTAL
MEAN	0.600	0.516	0.471	0.467	0.859	0.554	0.160	0.133	0.444	0.655	0.497	0.654	MEAN
MAX	2.70	4.16	4.36	0.917	4.10	1.17	0.308	0.684	4.42	1.87	1.17	1.52	MAX
MIN	0.170	0.103	0.088	0.107	0.277	0.240	0.074	0.056	0.083	0.225	0.321	0.201	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.501
MAXIMUM DAILY, 4.42 ON SEP 23
MINIMUM DAILY, 0.056 ON AUG 14
MAXIMUM INSTANTANEOUS,
7.58 AT 15:32 NST ON MAR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 35 25 N
LONG 052 41 28 W
DRAINAGE AREA, 10.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 610	JUL	427
FEB	1 250	AUG	357
MAR	1 260	SEP	1 150
APR	1 210	OCT	1 750
MAY	2 300	NOV	1 290
JUN	1 440	DEC	1 750

TOTAL DISCHARGE, 15 800 dam³

REMARKS - PUBLISHED IN 1984, 1985 AND 1986 UNDER DRAINAGE AREA OF 13.3 KM2 - REVISED TO 10.7 KM2

NEWFOUNDLAND

WATERFORD RIVER AT KILBRIDE - STATION NO. 02ZM008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.25	0.740B	0.854	0.546	1.42	1.78	1.01	0.304	0.784	1.21	4.94	2.50	1
2	13.5	0.615B	0.809	0.613	1.33	1.35	0.898	0.564	0.636	13.1	3.14	3.63	2
3	3.94	0.520B	3.83	0.995	2.13	1.18	0.839	0.400	0.599	7.27	2.33	8.60	3
4	1.78	0.460B	23.5	1.23	2.28	1.05	0.818	0.359	0.821	5.06	1.88	3.96	4
5	1.82	0.415B	6.10	2.40	1.52	1.01	0.829	0.316	0.591	2.94	2.19	2.62	5
6	1.34	0.365B	2.00	3.00	1.34	3.96	0.707	0.475	0.542	2.46	1.73	4.93	6
7	1.10	0.335B	1.29	1.87	2.64	2.23	0.609	0.534	0.530	1.80	1.55	3.93	7
8	0.994	0.311B	0.885	2.33	2.59	4.62	1.28	0.352	0.650	1.42	1.50	2.60	8
9	0.730B	0.285B	0.660B	1.48	2.71	4.57	1.07	0.287	0.656	1.23	1.35	2.31	9
10	0.600B	3.34	0.570B	1.14	3.21	2.63	0.862	0.299	0.534	3.30	1.77	8.99	10
11	1.10	20.3	0.490B	1.30	2.20	1.85	0.741	0.283	1.33	2.28	3.52	5.45	11
12	1.08	4.72	0.440B	3.23	1.71	1.50	0.629	0.286	1.00	1.55	5.73	2.89	12
13	1.74	2.08	0.385B	2.55	1.42	1.29	0.531	0.243	0.674	1.31	3.53	1.79	13
14	1.10	1.35	0.352B	1.56	1.16	1.11	0.494	0.275	0.504	1.28	2.49	2.17	14
15	0.798	0.850	0.325B	1.25	1.10	1.06	0.485	1.54	0.539	7.30	2.06	1.62	15
16	0.704	0.670B	0.300B	1.13	1.09	0.973	0.457	0.658	0.496	3.40	2.27	1.37	16
17	0.664	0.565B	0.280B	5.51	0.979	2.32	0.451	0.500	0.482	2.04	2.21	7.60	17
18	1.08	0.480B	1.68	4.86	0.903	1.56	0.432	0.399	1.07	1.45	1.98	6.08	18
19	2.21	0.420B	3.27	2.54	4.26	1.17	0.423	0.482	1.04	1.36	1.88	4.55	19
20	1.06	0.380B	1.33	1.68	28.3	2.93	0.401	0.464	1.14	4.16	1.87	3.99	20
21	0.859	0.335B	2.87	1.43	12.1	2.38	0.375	0.397	0.957	1.85	1.52	2.48	21
22	0.679	0.305B	4.29	1.25	11.9	3.50	0.416	0.352	0.831	1.30	1.30	2.17	22
23	0.515B	0.280B	1.47	1.94	7.63	4.29	0.378	0.337	0.679	1.22	1.68	2.44	23
24	0.440B	7.22	1.44	4.30	4.73	2.05	0.561	0.340	0.614	1.04	2.71	5.48	24
25	0.380B	8.31	1.04	3.19	3.50	4.90	0.449	0.306	1.89	1.02	2.29	5.22	25
26	1.23	2.80	0.843	2.47	2.89	3.13	0.401	0.284	22.0	1.58	2.26	2.70	26
27	14.3	1.30	0.788	2.07	2.28	1.85	0.365	0.297	5.47	7.30	1.97	1.76	27
28	4.30	1.03	0.676	3.55	1.88	1.44	0.304	0.334	2.75	10.3	1.47	1.19	28
29	1.73		0.599	2.60	1.51	1.40	0.331	4.16	1.88	4.14	1.42	1.05 B	29
30	1.10		0.523	1.77	2.34	1.12	0.366	1.70	1.47	10.6	2.17	0.990B	30
31	0.846		0.533		3.08		0.315	1.06		9.76		1.81	31
TOTAL	69.869	60.781	64.422	65.584	118.132	66.403	18.227	18.587	53.239	116.23	68.71	108.870	TOTAL
MEAN	2.25	2.17	2.08	2.19	3.81	2.21	0.588	0.600	1.77	3.75	2.29	3.51	MEAN
MAX	14.3	20.3	23.5	5.51	28.3	4.90	1.28	4.16	22.0	13.3	5.73	8.99	MAX
MIN	0.380	0.280	0.280	0.546	0.903	0.973	0.304	0.243	0.482	1.02	1.30	0.990	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.27
MAXIMUM DAILY, 28.3 ON MAY 20
MINIMUM DAILY, 0.243 ON AUG 13
MAXIMUM INSTANTANEOUS,
45.4 AT 13:56 NST ON MAR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 31 45 N
LONG 052 44 43 W
DRAINAGE AREA, 52.7 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 040	JUL	1 570
FEB	5 550	AUG	1 610
MAR	5 670	SEP	4 600
APR	5 670	OCT	10 000
MAY	10 200	NOV	5 940
JUN	5 740	DEC	9 410

TOTAL DISCHARGE, 71 600 dam³

REMARKS - GAUGING STATION RELOCATED 250 M UPSTREAM OF ORIGINAL LOCATION IN OCTOBER 1987

WATERFORD RIVER AT MOUNT PEARL - STATION NO. 02ZM010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.00 B	0.315B	0.580B	0.200B	0.591	0.566	0.429	0.116	0.322	0.651	1.76	0.760E	1
2	3.69	0.295B	2.20 B	0.318	0.548	0.467	0.395	0.210	0.267	4.02	1.25	1.30 E	2
3	1.32	0.275B	4.00 B	0.443	0.751	0.437	0.365	0.152	0.255	2.47	0.998	2.55 E	3
4	0.682	0.263B	9.12	0.504	0.795	0.411	0.329	0.132	0.342	1.86	0.870	1.40 E	4
5	0.615	0.250B	2.07	0.744	0.623	0.402	0.338	0.110	0.262	1.29	0.891	1.06 E	5
6	0.492	0.246B	0.863	1.14	0.571	1.46	0.294	0.171	0.234	1.08	0.858	1.42 E	6
7	0.400B	0.235B	0.500B	1.04	0.821	0.953	0.244	0.163	0.222	0.948	0.742	1.30 E	7
8	0.350B	0.225B	0.420B	0.963	0.818	1.58	0.413	0.142	0.323	0.805	0.697A	1.10 E	8
9	0.320B	0.220B	0.330B	0.935	0.910	1.55	0.374	0.125	0.313	0.747	0.580E	0.860E	9
10	0.295E	1.00 B	0.290B	0.630	1.13	1.02	0.310	0.113	0.247	1.28	0.520E	2.60 E	10
11	0.360B	4.75	0.260B	0.576	0.863	0.781	0.284	0.107	0.514	1.09	0.900E	1.90 E	11
12	0.470B	2.10	0.240B	0.996	0.710	0.645	0.248	0.112	0.454	0.930	1.72 E	1.10 E	12
13	0.544	1.10 B	0.225B	1.30	0.621	0.600	0.244	0.105	0.327	0.838	1.32 E	0.585E	13
14	0.439	0.920B	0.210B	1.16	0.527	0.514	0.206	0.103	0.313	0.846	0.920E	0.665E	14
15	0.350B	0.710B	0.195B	0.760	0.492	0.444	0.182	0.574	0.276	2.50	0.660E	0.600E	15
16	0.320B	0.600B	0.183B	0.677	0.476	0.442A	0.170	0.270	0.273	1.53	0.680E	0.540E	16
17	0.290B	0.510B	0.172B	1.18	0.424	0.700E	0.170	0.210	0.255	1.04	0.670E	2.30 E	17
18	0.350B	0.440B	0.700B	1.96	0.399	0.540E	0.172	0.175	0.384	0.766	0.640E	1.80 E	18
19	0.680B	0.390B	1.45	1.32	1.19	0.360E	0.160	0.193	0.465	0.688	0.600E	1.50 E	19
20	0.440B	0.350B	0.958	1.01	7.03	0.870E	0.154	0.198	0.516	1.21	0.590E	1.20 E	20
21	0.359	0.310B	1.08	1.03	3.70	0.760E	0.145	0.164	0.425	0.776	0.530E	1.00 E	21
22	0.311	0.265B	1.36	0.889	3.16	0.960E	0.141	0.150	0.398	0.688	0.445E	0.735E	22
23	0.286	0.240B	0.627	0.914	2.33	1.27 E	0.129	0.139	0.417	0.626	0.510E	0.760E	23
24	0.260B	1.50 B	0.574	1.39	1.57	0.660E	0.179	0.136	0.411	0.561	0.560E	1.68 E	24
25	0.240B	2.66 B	0.435	1.73	1.20	1.45 E	0.158	0.132	0.597	0.537	0.840E	1.60 E	25
26	0.420B	1.90 B	0.345B	1.72	1.00	1.15 A	0.135	0.122	6.59	0.672	0.700E	1.00 E	26
27	2.32 B	1.40 B	0.300B	1.21	0.841	0.862	0.122	0.126	1.77	1.94	0.660E	0.800E	27
28	1.50	1.00 B	0.270B	1.02	0.710	0.708	0.124	0.137	1.11	1.11	0.540E	0.425E	28
29	0.683		0.250B	0.817	0.579	0.632	0.114	1.36	0.885	1.52	0.440E	0.370E	29
30	0.380B		0.230B	0.661	0.681	0.498	0.128	0.621	0.762	3.25	0.500E	0.330E	30
31	0.340B		0.215B		0.904		0.118	0.411		3.05		0.560E	31
TOTAL	20.506	24.469	30.652	29.237	36.965	23.692	6.974	6.979	19.931	43.339	23.591	35.800	TOTAL
MEAN	0.662	0.874	0.989	0.975	1.19	0.790	0.225	0.225	0.664	1.40	0.786	1.15	MEAN
MAX	3.69	4.75	9.12	1.96	7.03	1.58	0.429	1.36	6.59	4.02	1.76	2.60	MAX
MIN	0.240	0.220	0.172	0.200	0.399	0.360	0.114	0.103	0.222	0.537	0.440	0.330	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.828
MAXIMUM DAILY, 9.12 ON MAR 04
MINIMUM DAILY, 0.103 ON AUG 14
MAXIMUM INSTANTANEOUS,
11.3 AT 08:00 NST ON MAR 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 31 20 N
LONG 052 48 25 W
DRAINAGE AREA, 16.6 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 770	JUL	603
FEB	2 110	AUG	603
MAR	2 650	SEP	1 720
APR	2 530	OCT	3 740
MAY	3 190	NOV	2 040
JUN	2 050	DEC	3 090

TOTAL DISCHARGE, 26 100 dam³

NEW BRUNSWICK

ARCOSTOOK RIVER NEAR TINKER - STATION NO. 01AG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	24.9B	59.4B	50.9B	113	543	124	72.2	36.6	45.5	57.1E	248	199	1
2	27.8B	57.4B	44.9B	109	467	101	52.3	36.2	17.2	109 E	214	190	2
3	17.4B	52.2B	46.0B	118	410	90.3	55.5	27.1	24.5	109 E	177	169	3
4	23.3B	59.9B	48.1B	142	347	70.2	52.7	32.4	18.5	140 E	164	149	4
5	30.1B	55.0B	38.7B	309	292	92.3	54.4	21.4	23.4	140 E	169	139	5
6	36.1B	42.5B	36.8B	442	250	90.0	46.2	20.3	23.4	40.2E	170	158	6
7	36.4B	49.1B	37.2B	495	224	83.7	36.7	23.5	22.6	60.8E	165	199	7
8	49.7B	48.5B	36.3B	484	219	73.7	31.6	18.1	26.9	96.4E	160	193	8
9	33.2B	54.5B	40.5B	476	196	78.7	33.7	40.3	9.70A	122 E	144	187	9
10	30.2B	54.0B	40.4B	427	180	63.1	33.4	22.5	24.1 E	68.4E	133	162	10
11	25.9B	45.5B	35.8B	348	187	52.8	34.5	26.1	22.2 E	115 E	190	144	11
12	34.1B	42.9B	36.8B	291	186	63.7	32.2	37.1	17.3 E	140 E	339	103	12
13	35.2B	44.3B	33.6B	274	173	68.6	25.7	39.3	15.6 E	186 E	303	88.2	13
14	35.9B	34.1B	34.8B	251	161	64.5	28.3	80.1	18.6 E	38.8E	263	111	14
15	27.1B	48.6B	32.8B	254	143	48.7	21.9	105	18.6 E	479 E	235	82.8	15
16	30.9B	46.5B	30.5B	292	121	54.6	18.6	101	15.0 E	479 E	196	86.6	16
17	21.9B	47.9B	49.4B	385	98.2	37.5	18.4	76.1	11.3 E	325 E	185	77.7	17
18	21.7B	49.6B	82.0B	421	98.3	48.1	24.2	79.9	22.0 E	256 E	205	90.5	18
19	31.5B	37.4B	82.0B	398	124	43.2	23.0	55.5	22.0 E	242 E	201	103	19
20	31.5B	42.0B	92.9B	391	156	90.4	15.0	47.8	20.7 E	242 E	193	100 B	20
21	29.7B	38.3B	118 B	454	153	108	17.3	41.6	19.7 E	251 E	187	116	21
22	33.3B	37.6B	148 B	564	154	121	19.0	45.9	12.6 E	251 E	166	104 B	22
23	28.6B	42.0B	92.9B	597	248	126	14.3	25.3	19.1 E	241 A	159	106 B	23
24	32.6B	43.2B	165 B	605	360	139	61.0	27.4	27.1 E	388	150	133 B	24
25	35.8B	39.2B	183 B	596	350	171	104	33.6	117 E	877	158	215 B	25
26	36.7B	46.2B	187 B	586	298	176	137	24.2	169 E	888	175	212 B	26
27	38.9B	45.1B	198 B	582	240	152	133	21.3	142 E	706	165	214 B	27
28	30.3B	42.3B	184	637	202	131	110	27.5	123 E	522	161	207	28
29	39.8B		168	681	175	104	98.3	34.6	96.6 E	398	170	181	29
30	27.4B		153	638	160	73.2	67.2	33.3	74.1 E	330	202	150	30
31	51.6B		130		155		52.1	33.1		282		149 B	31
TOTAL	983.5	1 305.2	2 657.3	12 360	7 070.5	2 740.3	1 523.7	1 276.1	1 218.60	8 579.7	5 747	4 518.8	TOTAL
MEAN	31.7	46.6	85.7	412	228	91.3	49.2	41.2	40.6	277	192	146	MEAN
MAX	51.6	59.9	198	681	543	176	137	105	169	888	339	215	MAX
MIN	17.4	34.1	30.5	109	98.2	37.5	14.3	18.1	9.70	38.8	133	77.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 137
MAXIMUM DAILY, 888 ON OCT 26
MINIMUM DAILY, 9.70A ON SEP 09
MAXIMUM INSTANTANEOUS
936 AT 21:49 AST ON OCT 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 48 52 N
LONG 067 45 16 W
DRAINAGE AREA, 6 060 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	85 000	JUL	132 000
FEB	113 000	AUG	110 000
MAR	230 000	SEP	105 000
APR	1 070 000	OCT	741 000
MAY	611 000	NOV	497 000
JUN	237 000	DEC	390 000

TOTAL DISCHARGE, 4 320 000 dam³

BARNABY RIVER BELOW SEMIWAGAN RIVER - STATION NO. 01BO003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20B	6.50B	3.00B	10.3B	21.9	27.9	2.81	8.29	1.37	0.822	5.08	20.5	1
2	2.00B	6.00B	2.90B	14.0B	20.0	18.2	2.46	12.1	1.21	0.883	4.49	16.4	2
3	3.25B	5.70B	2.83B	18.0B	17.2	13.1	2.42	11.0	1.20	0.996	4.14	13.5	3
4	3.00B	5.30B	2.77B	23.0B	14.3	10.2	4.90	7.28	0.996	0.975	4.09	11.7	4
5	2.70B	5.10B	2.70B	52.0B	12.2	8.75	4.75	4.78	0.907	0.986	4.14	23.2	5
6	2.50B	4.85B	2.67B	64.9	18.4	7.37	3.64	3.61	0.935	1.07	4.28	32.9	6
7	2.32B	4.75B	2.62B	63.5	29.0	6.52	2.95	2.96	0.964	1.13	4.98	28.7	7
8	2.21B	4.58B	2.57B	51.0	22.2	9.30	2.78	2.73	1.02	1.16	5.04	23.6	8
9	2.10B	4.40B	2.51B	40.8	16.8	8.83	2.57	3.73	1.11	1.26	4.85	16.9	9
10	2.03B	4.70B	2.60B	35.2	13.0	6.42	2.43	3.23	1.24	2.46	4.67	14.6	10
11	1.98B	4.85B	3.50B	24.9	12.1	4.82	2.34	2.76	1.10	3.33	15.3	13.9	11
12	1.89B	4.60B	4.70B	22.0B	14.3	4.42	2.54	2.43	1.00	2.98	28.2	14.2 B	12
13	1.83B	4.40B	6.00B	21.0B	11.7	3.87	1.90	2.37	0.924	2.80	21.2	12.5 B	13
14	1.79B	4.20B	5.95B	19.2B	11.6	3.20	1.56	2.35	0.957	2.71	14.7	11.6 B	14
15	1.76B	4.05B	5.85B	27.3	11.7	3.02	1.31	2.52	1.00	2.62	11.1	12.5 B	15
16	1.72B	3.95B	5.70B	68.1	10.5	2.69	1.21	2.30	0.967	2.55	9.48	14.5 B	16
17	2.25B	3.82B	8.00B	98.5	9.84	4.14	1.07	1.91	0.923	2.20	9.09	16.0 B	17
18	2.63B	3.70B	11.0 B	92.3	15.2	4.00	0.979	1.77	0.897	1.96	11.6	18.2 B	18
19	3.80B	3.60B	17.0 B	67.1	31.3	9.70	1.08	5.15	0.964	1.81	12.4	16.0 B	19
20	5.00B	3.52B	20.0 B	50.4	25.1	14.3	1.22	6.39	1.02	1.77	18.5	15.0 B	20
21	4.00B	3.42B	19.1 B	63.6	22.3	11.2	1.17	4.28	0.901	1.75	24.5	13.8 B	21
22	3.70B	3.36B	18.0 B	64.4	25.2	9.87	0.926	3.23	0.930	1.77	22.8	22.5 B	22
23	3.50B	3.48B	21.0 B	48.9	35.9	9.02	1.08	2.72	1.05	1.64	22.1	19.0 B	23
24	3.35B	3.75B	25.0 B	39.4	33.5	9.41	4.17	2.15	1.35	7.79	22.7	17.0 B	24
25	3.20B	3.65B	31.0 B	33.4	23.1	10.4	13.8	1.80	1.29	29.2	27.8	15.5 B	25
26	4.20B	3.50B	23.0 B	30.1	16.6	7.89	25.6	1.50	1.23	22.4	29.9	14.0 B	26
27	6.00B	3.33B	16.5 B	32.2	13.7	5.06	22.2	1.39	1.09	15.6	24.1	12.5 B	27
28	10.0 B	3.21B	14.0 B	35.7	10.7	4.55	13.5	1.51	0.959	11.1	19.7	11.2 B	28
29	8.60B		13.0 B	30.5	9.32	4.33	8.54	1.60	0.928	8.74	24.8	10.6 B	29
30	7.80B		12.0 B	24.7	17.4	3.55	5.42	1.71	0.835	7.51	27.5	9.80B	30
31	7.10B		11.2 B		38.7		4.12	1.61		6.85		9.30B	31
TOTAL	109.41	120.27	318.67	1 266.4	584.16	246.03	147.445	113.16	31.267	150.822	443.23	501.60	TOTAL
MEAN	3.53	4.30	10.3	42.2	18.8	8.20	4.76	3.65	1.04	4.87	14.8	16.2	MEAN
MAX	10.0	6.50	31.0	98.5	38.7	27.9	25.6	12.1	1.37	29.2	29.9	32.9	MAX
MIN	1.20	3.21	2.51	10.3	9.32	2.69	0.926	1.39	0.835	0.822	4.09	9.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.0
MAXIMUM DAILY, 98.5 ON APR 17
MINIMUM DAILY, 0.822 ON OCT 01
MAXIMUM INSTANTANEOUS
104 AT 00:23 AST ON APR 17

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 53 19 N
LONG 065 35 44 W
DRAINAGE AREA, 484 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 450	JUL	12 700
FEB	10 400	AUG	9 780
MAR	27 500	SEP	2 700
APR	109 000	OCT	13 000
MAY	50 500	NOV	38 300
JUN	21 300	DEC	43 300

TOTAL DISCHARGE, 348 000 dam³

NEW BRUNSWICK

BARTIBOG RIVER BELOW HIGHWAY NO. 8 - STATION NO. 01BO004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.35B	3.58B	2.25B	2.32B	22.0 E	12.8	2.36	8.53	5.49	2.63	7.52	13.0	1
2	1.50B	3.50B	2.19B	1.50B	25.0 E	10.3	2.26	8.79	4.87	2.76	6.78	11.0	2
3	2.00B	3.42B	2.15B	5.00B	22.0 A	9.01	2.18	7.36	4.42	2.53	6.44	9.57	3
4	1.92B	3.38B	2.12B	9.00B	19.3	8.14	3.02	5.93	3.94	2.29	6.60	9.42	4
5	1.88B	3.31B	2.08B	12.5 B	16.3	7.54	2.70	5.64	3.92	3.15	6.81	16.8	5
6	1.82B	3.27B	2.05B	19.5 B	20.0	6.76	2.36	4.87	3.63	2.80	6.46	17.3	6
7	1.79B	3.21B	2.02B	24.0 E	22.6	6.32	2.22	4.38	3.52	2.47	6.84	14.4	7
8	1.75B	3.15B	1.99B	20.0 E	18.3	6.53	2.40	4.02	4.05	2.44	6.66	13.0 B	8
9	1.70B	3.10B	1.95B	16.8 E	15.2	5.99	2.37	4.63	3.62	2.78	6.15	10.7	9
10	1.67B	3.05B	1.91B	14.0 E	13.6	5.40	3.90	3.94	3.33	5.27	5.80	9.79	10
11	1.62B	3.00B	1.87B	12.0 E	13.2	4.98	3.54	5.17	3.10	5.15	22.3	9.07	11
12	1.59B	2.95B	1.83B	10.2 E	14.7	4.63	2.74	26.2	2.86	4.29	31.3	9.83	12
13	1.56B	2.91B	1.80B	9.40E	12.1	4.33	2.33	17.6	2.80	4.06	19.6	10.1 B	13
14	1.53B	2.87B	1.82B	8.60E	10.6	3.97	2.07	13.0	2.68	5.48	14.2	9.75B	14
15	1.50B	2.84B	1.85B	8.00E	9.67	3.70	1.87	14.3	3.08	6.13	11.6	8.30B	15
16	1.48B	2.80B	1.95B	20.0 E	9.09	3.71	1.81	9.60	3.12	5.17	10.1	8.75B	16
17	1.70B	2.76B	2.05B	56.0 E	8.62	4.74	1.81	7.42	2.91	4.36	10.0	17.5 B	17
18	2.45B	2.73B	2.22B	44.0 E	12.4	4.50	1.62	6.53	2.71	3.95	11.8	16.0 B	18
19	2.30B	2.69B	2.45B	37.0 E	21.1	4.32	1.61	9.09	2.50	3.89	11.6	21.2 B	19
20	2.25B	2.66B	2.65B	32.0 E	17.9	4.12	1.63	7.68	2.44	5.69	18.4	18.0 B	20
21	2.20B	2.62B	2.42B	27.0 E	15.6	4.11	1.62	6.10	2.45	4.52	19.5	16.2 B	21
22	2.12B	2.58B	2.32B	56.0 E	16.5	3.99	1.45	5.42	5.42	3.98	16.2	19.0 B	22
23	2.06B	2.55B	2.58B	44.0 E	20.9	3.98	1.96	4.87	5.23	3.70	14.9	22.0 B	23
24	2.50B	2.51B	2.76B	37.0 E	17.4	4.61	7.02	4.45	4.60	14.8	14.9	24.0 B	24
25	2.80B	2.48B	3.00B	32.0 E	13.9	5.01	18.4	4.02	3.56	56.7	21.2	26.0 B	25
26	3.35B	2.44B	2.85B	26.0 E	11.8	4.07	35.4	3.79	3.03	27.8	19.3	22.0 B	26
27	3.95B	2.37B	2.72B	28.0 E	10.4	3.46	22.6	3.91	2.73	17.4	14.8	19.5 B	27
28	3.88B	2.30B	2.65B	33.0 E	9.39	3.00	13.0	18.0	2.51	13.0	13.6	14.5 B	28
29	3.80B		2.55B	28.0 E	8.72	2.79	9.13	12.9	2.42	10.8	14.9	13.5 B	29
30	3.72B		2.48B	25.0 E	12.1	2.57	7.04	8.89	2.46	9.37	15.6	12.5 B	30
31	3.65B		2.40B		17.2		5.84	6.72		8.35		11.0 B	31
TOTAL	69.59	81.03	69.93	699.82	477.59	159.38	170.26	253.75	98.40	247.71	392.06	453.68	TOTAL
MEAN	2.24	2.89	2.26	23.3	15.4	5.31	5.49	8.19	3.28	7.99	13.1	14.6	MEAN
MAX	3.95	3.58	3.00	56.0	25.0	12.8	35.4	26.2	5.49	56.7	31.3	26.0	MAX
MIN	1.35	2.30	1.80	2.32	8.62	2.57	1.45	3.79	2.42	2.29	5.80	8.30	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.69
MAXIMUM DAILY, 56.7 ON OCT 25
MINIMUM DAILY, 1.35B ON JAN 01
MAXIMUM INSTANTANEOUS,
67.0 AT 10:09 AST ON OCT 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 11 27 N
LONG 065 23 51 W
DRAINAGE AREA, 316 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 010	JUL	14 700
FEB	7 000	AUG	21 900
MAR	6 040	SEP	8 500
APR	60 500	OCT	21 400
MAY	41 300	NOV	33 900
JUN	13 800	DEC	39 200

TOTAL DISCHARGE, 274 000 dam³

BASS RIVER AT BASS RIVER - STATION NO. 01BL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.330B	2.14 B	0.692B	1.08 B	10.5	4.13	0.444	1.38	1.60	0.425	2.60	5.00	1
2	0.360B	2.06 B	0.660B	0.980B	12.0	2.77	0.365	2.08	1.23	0.376	2.30	4.95	2
3	0.420B	1.98 B	0.628B	1.29 B	9.85	1.97	0.350	2.48	0.876	0.391	2.06	3.48	3
4	0.500B	1.90 B	0.596B	3.00 B	6.54	1.49	0.343	1.68	0.720	0.349	2.18	2.68B	4
5	0.860B	1.82 B	0.564B	6.00 B	4.94	2.03	0.307	1.18	0.683	0.357	2.44	7.01B	5
6	0.700B	1.75 B	0.532B	8.00 B	5.23	1.71	0.304	0.836	0.631	0.331	2.43	9.19	6
7	0.600B	1.67 B	0.500B	12.0 B	8.20	1.35	0.292	0.639	0.595	0.428	2.16	9.87	7
8	0.550B	1.59 B	0.492B	9.00 B	6.51	1.20	0.223	0.613	1.00	0.453	2.58	7.37	8
9	0.490B	1.51 B	0.478B	7.00 B	4.94	0.991	0.229	0.676	0.915	0.742	2.54	6.32	9
10	0.441B	1.43 B	0.462B	5.80 B	4.21	0.867	0.256	0.685	0.680	2.63	2.44	4.50B	10
11	0.422B	1.36 B	0.450B	5.00 B	3.66	0.707	0.326	3.66	0.596	2.82	11.6	3.50B	11
12	0.400B	1.28 B	0.440B	4.50 B	3.42	0.629	0.247	70.2	0.548	2.38	27.0	2.90B	12
13	0.380B	1.20 B	0.500B	5.00 B	3.03	0.546	0.197	47.2	0.529	2.36	14.0	2.55B	13
14	0.360B	1.17 B	0.600B	7.50 B	2.59	0.513	0.181	31.6	0.505	8.01	8.23	2.30B	14
15	0.340B	1.14 B	1.00 B	10.0 B	2.27	0.500	0.169	33.6	0.469	10.4	5.78	2.10B	15
16	0.330B	1.11 B	1.40 B	14.0 B	1.98	0.455	0.176	11.1	0.458	5.91	4.82	2.30B	15
17	0.315B	1.08 B	1.60 B	22.0 B	1.96	0.405	0.183	5.12	0.434	3.48	5.09	2.35B	17
18	0.350B	1.04 B	1.75 B	30.0 B	2.30	0.436	0.192	2.95	0.412	2.44	7.67	2.50B	18
19	0.420B	1.01 B	1.95 B	15.9	7.61	0.521	0.195	2.64	0.411	2.52	7.90	2.10B	19
20	0.400B	0.980B	2.20 B	15.3	8.68	2.15	0.168	2.30	0.387	3.64	26.5	2.00B	20
21	0.385B	0.940B	2.10 B	29.8	7.87	3.56	0.163	1.95	0.372	2.69	23.7	1.90B	21
22	0.370B	0.916B	2.07 B	33.4	8.33	2.78	0.158	1.45	0.407	2.30	14.3	1.80B	22
23	0.352B	0.884B	2.01 B	20.0	10.3	3.49	0.188	1.22	0.427	1.98	11.4	1.90B	23
24	0.339B	0.852B	2.00 B	16.2	7.08	3.34	3.97	0.990	0.705	10.2	10.0	2.15B	24
25	0.325B	0.820B	2.05 B	14.7	4.54	3.81	11.9	0.825	0.657	57.8	15.2	1.80B	25
26	0.700B	0.778B	1.85 B	13.2	3.03	2.50	21.1	0.705	0.555	22.9	13.4	1.62B	26
27	1.50 B	0.756B	1.72 B	16.7	2.40	1.62	12.1	0.716	0.553	11.4	8.79	1.52B	27
28	2.70 B	0.724B	1.60 B	19.1	1.99	1.06	5.50	6.95	0.439	6.88	6.46	1.43B	28
29	2.50 B		1.40 B	14.8	1.67	0.685	3.03	6.03	0.425	4.90	6.23	1.37B	29
30	2.39 B		1.28 B	10.8	1.83	0.523	1.87	3.51	0.435	3.86	7.10	1.31B	30
31	2.30 B		1.17 B		5.90		1.28	2.23		3.14		1.28B	31
TOTAL	22.829	35.898	36.744	379.050	165.36	48.738	66.426	249.195	18.654	178.492	258.80	103.65	TOTAL
MEAN	0.736	1.28	1.19	12.6	5.33	1.62	2.14	8.04	0.622	5.76	8.63	3.34	MEAN
MAX	2.70	2.14	2.20	33.4	12.0	4.13	21.1	70.2	1.60	57.8	27.0	9.87	MAX
MIN	0.315	0.724	0.440	0.980	1.67	0.405	0.158	0.613	0.372	0.331	2.06	1.28	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.28
MAXIMUM DAILY, 70.2 ON AUG 12
MINIMUM DAILY, 0.158 ON JUL 22
MAXIMUM INSTANTANEOUS,
94.0 AT 13:50 AST ON AUG 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 39 00 N
LONG 065 34 40 W
DRAINAGE AREA, 175 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 970	JUL	5 740
FEB	3 100	AUG	21 500
MAR	3 170	SEP	1 610
APR	32 700	OCT	15 400
MAY	14 300	NOV	22 400
JUN	4 210	DEC	8 960

TOTAL DISCHARGE, 135 000 dam³

NEW BRUNSWICK

BECAGUIMEC STREAM AT COLDSTREAM - STATION NO. 01AJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.34B	5.08B	1.90B	33.5B	18.8	14.4	2.75	4.76	3.26	6.21A	8.13	13.1	1
2	1.60B	4.55B	1.78B	12.6	19.5	10.6	2.45	4.80	2.66	7.42	7.20	11.4	2
3	2.10B	4.18B	1.66B	14.2	16.0	8.37	2.16	3.47	2.28	5.28	6.93	9.43	3
4	2.60B	3.87B	1.54B	35.8	12.1	7.15	2.24	2.61	2.01	4.19	6.76	7.97	4
5	2.40B	3.61B	1.42B	59.2	10.2	7.27	2.20	2.04	1.78	7.75	7.16	25.5	5
6	2.30B	3.39B	1.32B	51.3	10.6	5.95	1.95	1.72	1.75	10.0	6.63	22.7	6
7	2.19B	3.21B	1.26B	35.8	9.68	5.08	1.74	1.51	1.81	7.48	7.25	16.2	7
8	2.08B	3.08B	1.21B	24.8	8.18	5.25	1.61	1.41	2.72	6.03	6.39	12.7	8
9	2.03B	2.95B	1.19B	19.1	7.02	4.32	1.65	1.87	2.11	5.87	5.34	10.9	9
10	1.99B	4.00B	1.60B	18.3	6.33	3.82A	2.05	2.00	1.77	8.53	4.92	9.18	10
11	2.10B	5.00B	2.10B	15.4	13.3	3.50A	1.84	51.2	1.67	7.97	23.9	7.00B	11
12	2.00B	4.60B	3.26B	13.3	18.0	2.99	1.47	189	1.49	7.35	28.8	5.50B	12
13	1.82B	4.30B	4.20B	11.3	12.1	2.60	1.30	52.6	1.46	10.9	16.6	6.20B	13
14	1.67B	3.80B	3.80B	11.2	11.4	2.32	1.13	37.5	1.34	47.9	12.8	7.20B	14
15	1.48B	3.40B	3.40B	19.4	9.87	2.09	1.05	32.7	1.95	39.8	10.4	4.80B	15
16	1.33B	3.00B	3.60B	48.7	8.41	1.96	1.01	18.7	12.4	23.5	9.24	5.60B	16
17	1.20B	2.70B	4.00B	50.4	7.32	1.83	0.999	12.3	7.03	16.1	9.56	5.20B	17
18	1.50B	2.45B	5.60B	44.9	12.7	1.97	0.947	9.09	5.80E	12.2	13.6	4.60B	18
19	1.80B	2.25B	8.80B	31.5	15.2	4.55	0.892	9.17	5.00E	14.2	12.9	14.0 B	19
20	3.10B	2.05B	25.6 B	27.4	13.0	3.36	0.855	6.81	4.30E	18.9	14.1	12.3 B	20
21	2.85B	1.90B	24.3 B	42.7	10.5	2.55	0.886	5.26	3.70E	13.1	10.9	10.1 B	21
22	2.60B	1.80B	23.0 B	46.0	11.4	4.19	0.817	4.33	3.40E	10.7	9.14	20.0 B	22
23	2.48B	2.00B	22.0 B	38.4	13.5	4.42	1.07	3.59	4.80E	9.78	9.17	37.0 B	23
24	2.32B	2.70B	23.3 B	32.5	30.9	14.4	3.79	3.14	6.70E	38.3	13.0	61.6	24
25	2.32B	3.43B	20.0 B	30.3	21.0	16.7	11.1	2.80	6.05E	78.2	21.2	35.8	25
26	2.80B	2.60B	18.0 B	27.9	15.7	8.26	17.6	2.54	5.25E	34.9	19.4	20.0 B	26
27	3.90B	2.28B	16.0 B	35.9	12.2	5.52	7.93	2.42	4.80E	22.1	14.1	15.0 B	27
28	6.60B	2.08B	14.7 B	44.4	9.90	4.27	4.90	2.94	4.20E	15.5	14.1	12.0 B	28
29	8.00B		13.3 B	31.4	8.16	3.51	3.54	9.73	3.80E	13.5	16.1	12.4 B	29
30	6.90B		12.7 B	21.0	15.9	3.07	3.23	7.65	3.50E	11.4	16.3	11.5 B	30
31	5.80B		11.7		23.6		2.57	4.45		9.62		14.3 B	31
TOTAL	85.20	90.26	278.24	928.6	435.77	166.27	89.726	499.11	110.79	505.08	362.02	463.18	TOTAL
MEAN	2.75	3.22	8.98	31.0	14.1	5.54	2.89	16.1	3.69	16.3	12.1	14.9	MEAN
MAX	8.00	5.08	25.6	59.2	32.5	16.7	17.6	189	12.4	78.2	28.8	61.6	MAX
MIN	1.20	1.80	1.19	11.2	6.33	1.83	0.817	1.41	1.34	4.19	4.92	4.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.0
MAXIMUM DAILY, 189 ON AUG 12
MINIMUM DAILY, 0.817 ON JUL 22
MAXIMUM INSTANTANEOUS,
257 AT 02:27 AST ON AUG 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 20 27 N
LONG 067 27 58 W
DRAINAGE AREA, 350 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 360	JUL	7 750
FEB	7 800	AUG	43 100
MAR	24 000	SEP	9 570
APR	80 200	OCT	43 600
MAY	37 700	NOV	31 300
JUN	14 400	DEC	40 000

TOTAL DISCHARGE, 347 000 dam³

BIG PRESQUE ISLE STREAM AT TRACEY MILLS - STATION NO. 01AJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00B	8.40B	2.70B	11.8	22.1	11.2	3.38	2.16	3.14	8.72A	17.8	18.6	1
2	3.10B	7.60B	2.55B	13.0	20.0	9.57	3.08	2.02	2.76	9.48	15.8	17.3	2
3	3.15B	6.90B	2.46B	15.1	17.2	7.90	2.85	1.95	2.53	7.02	15.5	15.3	3
4	2.90B	6.35B	2.35B	35.8	15.0	7.38	2.73	1.74	2.39	6.03	15.3	13.4	4
5	2.76B	6.00B	2.23B	75.0	13.3	7.31	2.92	1.67	2.30	6.80	17.7	31.9	5
6	2.66B	5.65B	2.12B	73.1	13.8	6.76	2.54	1.63	2.39	7.26	16.0	28.6	6
7	2.56B	5.35B	2.04B	61.0	13.1	6.54	2.35	1.57	2.54	6.50	15.2	22.3	7
8	2.44B	4.95B	2.13B	47.9	12.4	9.53	2.10	1.57	2.36	6.25	14.1	18.6	8
9	2.37B	4.60B	2.30B	39.4	11.5	7.43	2.17	1.72	2.81	9.15	12.1	16.7	9
10	2.28B	5.00B	2.48B	37.5	10.8	6.53	2.27	1.76	2.49	9.47A	11.3	15.2	10
11	2.21B	5.70B	2.80B	32.2	15.6	6.13	1.94	3.63	2.29	10.9 A	47.9	14.3 B	11
12	2.17B	5.00B	3.45B	28.2	17.9	5.43	1.81	6.25	2.15	11.2 A	47.5	13.5 B	12
13	2.11B	4.60B	4.00B	23.9	13.3	4.86	1.77	6.22	5.02	16.2	27.6	12.7 B	13
14	2.05B	4.20B	3.60B	22.0	11.3	4.52	1.63	6.01	2.93	41.1	22.2	11.9 B	14
15	2.00B	3.90B	3.40B	27.1	9.85	4.10	1.53	6.42	2.38	37.9	19.8	11.2 B	15
16	2.13B	3.60B	4.00B	50.8	9.15	3.85	1.56	6.34	4.35	25.3	18.6	10.6 B	16
17	2.30B	3.45B	5.00B	60.8	8.40	3.5	1.40	5.87	3.49	20.0	19.5	10.1 B	17
18	2.49B	3.30B	8.20B	54.2	12.9	3.28	1.23	4.70	2.93	17.2	21.9	9.80B	18
19	2.82B	3.15B	12.5 B	41.7	14.8	3.40	1.17	4.59	2.65	20.4	19.7	13.8 B	19
20	3.45B	3.05B	15.8 B	41.1	12.1	7.31	1.32	4.31	2.53	24.7	18.2	17.8 B	20
21	3.20B	2.98B	14.3 B	58.2	10.4	7.91	1.37	3.73	2.74	18.6	16.6	16.5 B	21
22	3.00B	2.92B	13.1 B	57.7	15.2	8.14	1.33	3.30	2.59	16.1	15.1	22.0 B	22
23	2.75B	3.20B	12.3 B	51.0	31.4	8.60	1.27	2.87	8.87A	14.8	14.8	34.8	23
24	2.60B	3.80B	19.6 B	43.4	29.2	9.02	10.7	2.64	15.2 A	69.2	17.3	49.8	24
25	2.50B	3.50B	18.5 B	40.9	20.9	8.78	13.9	2.60	8.32A	133	23.0	35.1	25
26	3.00B	3.24B	17.5 B	36.2	16.9	6.25	11.8	2.43	5.83	59.6	20.2	27.0 B	26
27	3.80B	3.05B	16.5 B	40.8	14.8	5.02	6.99	2.51	4.88	39.6	16.9	18.0 B	27
28	8.60B	2.85B	15.9 B	43.3	13.1	4.98	4.24	5.01	4.36	30.9	16.1	16.0 B	28
29	8.28B		14.5 B	31.5	10.8	4.31	3.22	4.92	4.10	26.7	22.1	15.5 B	29
30	7.90B		12.7 B	24.8	12.7	3.78	2.68	4.70	4.10A	22.9	23.1	16.8 B	30
31	7.70B		12.5		14.6		2.39	3.69		20.2		18.0 B	31
TOTAL	104.28	126.29	254.31	1 219.4	464.50	193.13	102.32	110.53	114.46	749.18	599.2	593.00	TOTAL
MEAN	3.36	4.51	8.20	40.6	15.0	6.44	3.30	3.57	3.82	24.2	20.0	19.1	MEAN
MAX	8.60	8.40	19.6	75.0	31.4	11.2	13.9	6.42	15.2	133	47.9	49.8	MAX
MIN	2.00	2.85	2.04	11.8	8.40	3.28	1.17	1.57	1.93	6.03	11.3	9.80	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.7
MAXIMUM DAILY, 133 ON OCT 25
MINIMUM DAILY, 1.17 ON JUL 19
MAXIMUM INSTANTANEOUS,
182 AT 01:57 AST ON OCT 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 26 16 N
LONG 067 44 41 W
DRAINAGE AREA, 484 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 010	JUL	8 840
FEB	10 900	AUG	9 550
MAR	22 000	SEP	9 890
APR	105 000	OCT	64 700
MAY	40 100	NOV	51 800
JUN	16 700	DEC	51 200

TOTAL DISCHARGE, 400 000 dam³

NEW BRUNSWICK

BIG TRACADIE RIVER AT MURCHY BRIDGE CROSSING - STATION NO. 01BL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.50B	3.22B	2.11B	2.90B	31.7	14.8	4.89	6.25	6.48	3.12E	9.91	16.0	1
2	1.90B	3.17B	2.06B	3.90B	32.8	13.3	4.77	6.54	6.10	3.12A	9.31	15.2	2
3	2.10B	3.12B	2.06B	7.00B	29.7	12.2	4.60	6.72	5.85	3.27	8.95	14.2	3
4	2.06B	3.07B	2.03B	10.0 B	24.6	11.6	4.56	5.85	5.44	3.23	9.02	14.5	4
5	2.00B	3.02B	2.00B	28.0 B	21.9	11.3	4.48	5.37	5.28	3.19	8.97	19.1	5
6	1.98B	2.97B	1.97B	31.5 B	22.3	10.5	4.36	4.94	5.03	3.23	8.75B	18.5	6
7	1.95B	2.92B	1.94B	31.5 B	23.3	9.94	4.25	4.72	5.06	3.10	8.61B	16.5	7
8	1.91B	2.87B	1.91B	21.7	20.3	9.66	4.33	4.58	5.49	3.20	8.44	14.9	8
9	1.88B	2.83B	1.90B	18.0	18.0	9.28	4.22	5.32	4.96	3.53	7.97	14.1	9
10	1.84B	2.78B	1.88B	16.8	16.8	8.65	4.16	4.72	4.79	5.27	7.47	13.6	10
11	1.80B	2.73B	1.86B	16.0	16.1	8.11	4.10	5.20	4.60	5.17	19.6	11.7A	11
12	1.78B	2.68B	1.84B	14.7	16.6	7.74	3.91	26.5	4.42	4.66	29.6	14.0B	12
13	1.76B	2.63B	1.82B	13.3	14.7	7.51	3.62	33.4	4.38	4.53	21.4	14.5B	13
14	1.74B	2.58B	1.81B	13.0	13.4	7.00	3.59	19.2	4.27	5.75	17.1	13.8B	14
15	1.72B	2.52B	1.89B	14.9	12.7	6.67	3.51	24.4 A	4.27	7.36	14.5	12.8B	15
16	1.70B	2.49B	1.95B	27.3	11.9	6.54	3.42	16.7 A	4.50	6.44	13.3	15.1B	16
17	2.00B	2.46B	2.10B	43.6	11.4	6.41	3.36	13.6	4.23	5.53	13.4	19.2B	17
18	2.60B	2.43B	2.20B	44.5	12.4	7.05	3.32	11.9	4.06	5.09	14.7	18.4B	18
19	2.52B	2.40B	2.40B	37.6	17.7	6.42	3.30	12.4	3.95	5.01	14.5	26.8B	19
20	2.43B	2.37B	2.60B	34.4	18.1	7.80	3.28	10.8	3.85	5.48	20.4	25.5B	20
21	2.38B	2.35B	2.50B	48.0	17.8	8.12	3.11	9.76	3.79	5.32	24.1	23.0B	21
22	2.32B	2.32B	2.45B	55.5	20.3	7.15	3.04	9.10	3.72	4.94	20.6	21.0B	22
23	2.29B	2.29B	2.80B	46.6	24.5	7.48	3.22	8.32	4.43	4.57	19.2	26.0B	23
24	2.45B	2.26B	3.20B	41.3	21.5	7.47	7.92	8.01	4.96	9.56	18.7	31.0B	24
25	2.80B	2.23B	3.70B	38.0	18.8	7.72	12.3	7.51	4.28	39.1	22.3	28.2B	25
26	3.40B	2.20B	3.55B	35.8	16.6	6.67	15.1	7.30	3.84	26.6	23.2	25.5B	26
27	3.70B	2.17B	3.40B	38.9	15.2	5.95	11.7	7.30	3.53	18.2	19.5	22.0B	27
28	3.55B	2.14B	3.30B	43.5	14.0	5.61	8.56	9.76	3.49	14.7	18.1	19.0B	28
29	3.42B		3.15B	37.7	13.4	5.28	7.07	9.05	3.40	12.7	17.7	16.8B	29
30	3.35B		3.05B	32.0	14.7	5.09	6.15	7.94	3.12E	11.7	17.7	15.0B	30
31	3.29B		2.95B		17.2		5.70	7.22		10.8		13.5B	31
TOTAL	72.12	73.22	74.40	847.90	580.4	249.02	163.90	320.18	135.57	247.57	467.00	571.4	TOTAL
MEAN	2.33	2.62	2.40	28.3	18.7	8.30	5.29	10.3	4.52	7.99	15.6	18.4	MEAN
MAX	3.70	3.22	3.70	55.5	32.8	14.8	15.1	33.4	6.48	39.1	29.6	33.0	MAX
MIN	1.50	2.14	1.81	2.90	11.4	5.09	3.04	4.58	3.12	3.10	7.47	11.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.4
MAXIMUM DAILY, 55.5 ON APR 22
MINIMUM DAILY, 1.50B ON JAN 01
MAXIMUM INSTANTANEOUS,
58.4 AT 05:00 AST ON APR 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 26 06 N
LONG 065 06 25 W
DRAINAGE AREA, 383 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 230	JUL	14 200
FEB	6 330	AUG	27 700
MAR	6 430	SEP	11 700
APR	73 300	OCT	21 400
MAY	50 100	NOV	40 300
JUN	21 500	DEC	49 400

TOTAL DISCHARGE, 329 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "TRACADIE RIVER AT MURCHY BRIDGE CROSSING" TO 1985

BURPEE MILLSTREAM NEAR FERNMOUNT - STATION NO. 01AO009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.400B	3.70B	0.960B	4.00B	2.67	5.78	0.650	4.27	0.377	0.515	2.10	3.03	1
2	0.700B	3.20B	0.880B	8.00B	2.44	3.65	0.586	7.56	0.306	0.640	1.69	2.52	2
3	1.45 B	2.85B	0.830B	11.0 B	2.17	2.64 A	0.469	3.20	0.293	0.638	1.57	2.51	3
4	1.35 B	2.55B	0.780B	16.5 B	1.80	2.12	0.440	1.83	0.211	0.580	1.59	2.99	4
5	1.23 B	2.30B	0.740B	18.4	1.61	2.01	0.444	1.26	0.173	0.726	1.46	14.7	5
6	1.01 B	2.18B	0.715B	13.2	2.17	1.79	0.367	0.900	0.182	0.769	1.78	11.9	6
7	0.920B	2.03B	0.685B	9.90	2.17	1.53	0.299	0.689	0.162	0.675	4.43	9.09	7
8	0.820B	1.91B	0.660B	6.81	1.82	1.34	0.280	0.641	0.323	0.584	3.47	6.85	8
9	0.760B	1.82B	0.640B	4.81	1.51	1.17	0.330	0.725	0.259	0.673	2.55	1.92	9
10	0.820B	2.15B	0.740B	4.79A	1.28	1.05	0.478	0.634	0.218	1.63	2.00	3.42	10
11	0.920B	2.50B	0.900B	4.36E	3.26	0.937	0.396	0.527	0.201	1.57	8.13A	2.62B	11
12	0.880B	2.25B	1.10 B	4.08A	4.15	0.866	0.297	0.795	0.167	1.44	7.20A	2.13B	12
13	0.825B	2.09B	1.35 B	4.08	2.64	0.787	0.233	0.759	0.187	1.27	4.31A	1.87B	13
14	0.780B	2.00B	1.50 B	4.43	6.12	0.662	0.191	0.630	0.168	1.42	3.23	1.87B	14
15	0.743B	1.88B	1.55 B	7.18	4.33A	0.619	0.172	0.746	0.164	1.39	2.68	2.26B	15
16	0.720B	1.78B	1.60 B	23.1	3.02	0.600	0.171	0.649	0.563	1.40	2.39	2.40B	16
17	0.680B	1.70B	1.70 B	17.6	2.32	0.578	0.199	0.475	0.551	1.14	2.13	2.19B	17
18	1.10 B	1.62B	4.00 B	14.4	5.24	0.520	0.157	0.441	0.440	1.00	2.83A	2.13B	18
19	2.10 B	1.54B	6.60 B	9.91	6.23	0.801	0.152	1.01	0.299	1.33	3.30	2.00B	19
20	1.90 B	1.47B	6.82 B	8.13	3.91	0.866	0.164	0.784	0.236	1.77	9.84	2.33B	20
21	1.82 B	1.40B	6.60 B	10.2	2.97	0.746	0.148	0.542	0.319	1.43	7.50	2.62B	21
22	1.68 B	1.45B	6.20 B	9.86	6.20	0.816	0.156	0.368	0.339	1.14	5.31	15.2 B	22
23	1.42 B	1.53B	6.70 B	7.96	15.1	0.852	0.184	0.320	0.889	1.03	4.72	16.2 A	23
24	1.31 B	1.33B	6.00 B	6.45	12.2	2.61	0.674	0.283	1.57	10.8	5.82A	27.1 A	24
25	1.20 B	1.24B	5.60 B	5.34	6.67	2.33	3.81	0.239	1.08	17.2 A	6.47A	16.5 B	25
26	2.00 B	1.15B	5.00 B	4.77	3.95	1.50	4.58	0.237	0.681	9.33 A	6.99A	6.07B	26
27	3.00 B	1.08B	4.20 B	4.47	3.13	1.05	2.64	0.235	0.584	5.69	4.91A	2.92B	27
28	7.00 B	1.01B	3.70 B	4.36	2.41	1.27	1.60	0.426	0.507	3.89	4.01	2.40B	28
29	6.00 B		3.30 B	3.69	2.06	0.999	1.10	0.819	0.494	3.13	4.16	1.85B	29
30	5.00 B		2.90 B	3.08	6.62	0.799	0.760	0.704	0.509	2.94	3.54	1.53B	30
31	4.30 B		2.60 B		10.6 A		0.573	0.452		2.52		1.40B	31
TOTAL	54.838	53.71	87.550	254.86	132.77	43.288	22.700	33.150	12.452	80.260	122.11	176.52	TOTAL
MEAN	1.77	1.92	2.82	8.50	4.28	1.44	0.732	1.07	0.415	2.59	4.07	5.69	MEAN
MAX	7.00	3.70	6.82	23.1	15.1	5.78	4.58	7.56	1.57	17.2	9.84	27.1	MAX
MIN	0.400	1.01	0.640	3.08	1.28	0.520	0.148	0.235	0.162	0.515	1.46	1.40	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.94
MAXIMUM DAILY, 27.1A ON DEC 24
MINIMUM DAILY, 0.148 ON JUL 21
MAXIMUM INSTANTANEOUS,
39.9 AT 16:23 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 57 24 N
LONG 066 18 41 W
DRAINAGE AREA, 93.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 740	JUL	1 960
FEB	4 640	AUG	2 860
MAR	7 560	SEP	1 080
APR	22 000	OCT	6 930
MAY	11 500	NOV	10 600
JUN	3 740	DEC	15 300

TOTAL DISCHARGE, 92 900 dam³

NEW BRUNSWICK

CANAAN RIVER AT EAST CANAAN - STATION NO. 01AP002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.20B	20.0 B	6.85B	14.2	12.5	27.3	1.37	59.4	1.05	2.19	14.0	11.9	1
2	2.80B	18.3 B	6.50B	12.7	11.4	18.2	1.13	72.0	1.09	2.54	11.0	10.1	2
3	3.60B	16.8 B	6.00B	17.4	10.2	13.4	1.10	49.3	1.42	2.78	9.54	8.76	3
4	4.80B	15.0 B	5.60B	35.8	8.26	10.7	1.11	26.3	1.52	2.87	9.00	8.00	4
5	6.20B	13.8 B	5.25B	83.8	7.23	8.49	1.06	15.0	1.29	3.01	8.37	37.0	5
6	8.00B	12.2 B	5.00B	73.3	13.9	7.29	0.946	9.44	1.14	3.90	9.21	35.6	6
7	7.20B	11.2 B	4.68B	52.4	22.5	6.09	0.832	6.46	1.23	3.30	42.8	23.8	7
8	6.30B	10.2 B	4.38B	36.2	17.3	5.37	0.790	4.80	1.56	2.71	34.3	17.7	8
9	5.80B	9.60B	4.10B	27.3	16.1	4.67	0.727	3.82	1.33	2.70	22.9	12.0 B	9
10	5.40B	15.0 B	3.90B	25.1	12.7	3.96	0.751	3.12	1.14	7.86	16.8	9.20B	10
11	6.20B	42.0 B	4.15B	29.4	12.3	3.32	0.804	2.61	1.04	9.79	18.9	7.90B	11
12	6.80B	27.0 B	4.69B	35.4	14.5	3.01	0.741	3.16	1.06	7.66	24.4	7.10B	12
13	7.50B	32.0 B	11.8 B	30.3	10.3	2.58	0.679	3.92	1.13	6.61	18.3	6.60B	13
14	5.00B	27.3 B	10.0 B	30.1	42.0	2.22	0.617	3.11	0.998	14.1	14.1	6.10B	14
15	4.49B	23.5 B	9.50B	36.9	47.4	1.88	0.569	3.69	0.868	43.0	11.4	12.0 B	15
16	4.05B	20.5 B	9.00B	57.5	29.4	1.70	0.542	3.16	0.752	25.0	9.91	25.0 B	16
17	3.75B	18.2 B	8.40B	68.7	22.3	1.60	0.512	2.53	0.740	15.9	8.95	54.0 B	17
18	4.80B	16.2 B	15.0 B	84.6	30.7	1.39	0.448	2.04	0.696	11.3	13.2	41.0 B	18
19	6.20B	14.5 B	50.0 B	57.0	54.7	1.46	0.462	4.47	0.647	9.45	32.2	96.8	19
20	9.60B	13.0 B	100 B	36.8	36.7	2.09	0.419	7.44	0.710	9.33	78.8	68.6	20
21	8.80B	11.8 B	91.0 B	41.6	26.3	2.12	0.486	4.98	2.38	7.16	66.4	40.8	21
22	8.10B	11.0 B	84.0 B	46.8	24.3	2.27	0.461	3.35	4.52	5.88	49.4	70.5	22
23	7.60B	12.2 B	78.0 B	36.0	85.0	2.31	0.487	2.52	3.66	5.21	44.5	110	23
24	7.05B	15.0 B	94.0 B	28.4	95.5	5.03	0.667	2.01	8.49	14.5	40.3	149	24
25	6.60B	11.9 B	80.1 B	22.6	52.3	7.46	34.6	1.69	7.23	38.0	42.4	152	25
26	9.00B	9.78B	70.0 B	19.7	31.2	5.00	52.1	1.44	5.10	27.1	34.4	73.6	26
27	46.0 B	9.10B	60.2 B	18.2	21.4	3.34	42.8	1.30	3.70	20.1	24.4	36.2	27
28	39.0 B	8.00B	54.0 B	20.1	15.7	2.52	25.2	1.22	2.81	16.7	20.1	22.6	28
29	32.5 B		46.0 B	17.5	12.0	2.12	14.2	1.27	2.43	14.7	17.6	17.1	29
30	29.0 B		44.5	14.3	22.4	1.75	8.50	1.30	2.22	21.8	15.2	17.0	30
31	23.0 B		24.4		44.1		5.52	1.20		18.3		25.6	31
TOTAL	325.34	475.08	1 001.00	1 112.1	863.09	160.64	200.627	307.05	63.951	375.45	762.78	1 213.56	TOTAL
MEAN	10.5	17.0	32.3	37.1	27.8	5.35	6.47	9.90	2.13	12.1	25.4	39.1	MEAN
MAX	46.0	42.0	100	84.6	95.5	27.3	52.1	72.0	8.49	43.0	78.8	152	MAX
MIN	2.20	8.00	3.90	12.7	7.23	1.39	0.419	1.20	0.847	2.19	8.37	6.10	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 152 ON DEC 25
MINIMUM DAILY, 0.419 ON JUL 20
MAXIMUM INSTANTANEOUS
212 AT 23:13 AST ON DEC 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 04 19 N
LONG 065 22 00 W
DRAINAGE AREA, 668 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	28 100	JUL	17 300
FEB	41 000	AUG	26 500
MAR	86 500	SEP	5 530
APR	96 100	OCT	32 400
MAY	74 600	NOV	65 900
JUN	13 900	DEC	105 000

TOTAL DISCHARGE, 593 000 dam³

CASTAWAY STREAM NEAR CASTAWAY - STATION NO. 01AN001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.150B	1.69	0.309	0.816	1.73	2.00	0.219	3.18	0.081	0.123	0.589	1.33	1
2	1.09	1.41	0.301	0.943	1.60	1.37	0.201	4.67	0.109	0.150	0.503	1.08	2
3	0.686	1.10	0.283	1.36	1.37	1.01	0.180	3.10	0.355	0.132	0.522	0.928	3
4	0.383	1.05	0.281	3.03	1.08	0.900	0.173	1.79	0.221	0.108	0.532	0.884	4
5	0.449	1.04	0.255	5.29	0.982	0.844	0.175	1.13	0.151	0.235	0.503	3.84	5
6	0.501	1.01	0.270	5.22	1.34	0.727	0.159	0.847	0.119	0.252	0.528	3.45	6
7	0.429	0.855	0.309	4.23	1.36	0.659	0.167	0.699	0.116	0.180	1.23	2.25	7
8	0.355	0.554	0.376	2.87	1.03	0.604	0.166	0.634	0.201	0.148	1.09	1.61	8
9	0.317	0.609	0.337	2.21	0.885	0.556	0.166	0.610	0.157	0.185	0.824	1.29	9
10	0.289	0.863	0.273	2.08	0.784	0.500	0.204	0.514	0.117	0.523	0.662	1.09	10
11	0.369	0.986	0.310	1.47	1.04	0.460	0.222	0.558	0.110	0.512	1.83	0.817	11
12	0.377	0.868	0.434	1.43	1.40	0.406	0.163	0.731	0.088	0.422	2.46	0.770	12
13	0.329	0.768	0.472	1.51	0.980	0.375	0.122	0.590	0.076	0.415	1.49	0.726	13
14	0.298	0.649	0.472	1.52	1.90	0.349	0.111	0.478	0.065	0.396	1.02	0.648	14
15	0.267	0.495	0.463	2.30	1.61	0.328	0.114	0.401	0.064	0.432	0.856	0.576	15
16	0.251B	0.455	0.441	8.21	1.12	0.310	0.122	0.315	0.074	0.449	0.749	0.575	16
17	0.253	0.428	0.591	7.19	0.948	0.298	0.123	0.256	0.072	0.371	0.705	0.739	17
18	0.457	0.411	1.55	6.97	1.78	0.265	0.097	0.260	0.060E	0.299	1.04	0.766	18
19	0.629	0.401	2.69	4.98	2.61	0.399	0.106	0.991	0.053E	0.313	1.10	2.45	19
20	0.692	0.393	1.77 B	4.33	1.76	0.491	0.115	0.682	0.071	0.397	2.15	1.81	20
21	0.586	0.372	2.04 B	5.04	1.28	0.445	0.126	0.428	0.147	0.319	2.51	1.24	21
22	0.469	0.352	2.78 B	4.62	1.68	0.543	0.093	0.311	0.103	0.255	2.06	2.70	22
23	0.401	0.338	3.15 B	3.87	5.28	0.484	0.238	0.231	0.245	0.241	1.96	4.82	23
24	0.354	0.369	4.00	3.32	4.96	0.830	0.947	0.197	0.356	1.66	2.17	5.54	24
25	0.332	0.355	3.25	2.93	3.09	0.705	5.32	0.159	0.223	3.91	2.71	3.86	25
26	0.902	0.350	2.51	2.76	2.05	0.454	6.21	0.135	0.154	2.28	2.76	2.34	26
27	2.73	0.340	1.83	2.87	1.51	0.339	3.82	0.116	0.121	1.32	1.98	1.12	27
28	2.92	0.320	1.49	2.83	1.17	0.375	2.11	0.116	0.100	0.903	1.80	0.670	28
29	2.63		1.11	2.26	1.00	0.302	1.23	0.159	0.092	0.768	2.11	0.590	29
30	1.93		0.930	1.90	2.09	0.248	0.865	0.159	0.102	0.968	1.87	0.932	30
31	1.68		0.836		3.28		0.629	0.114		0.749		1.35	31
TOTAL	23.505	18.831	36.114	99.859	54.709	17.576	24.693	24.561	4.005	19.415	42.313	52.791	TOTAL
MEAN	0.758	0.673	1.17	3.33	1.76	0.586	0.797	0.792	0.134	0.626	1.41	1.70	MEAN
MAX	2.92	1.69	4.00	8.21	5.28	2.00	6.21	4.67	0.356	3.91	2.76	5.54	MAX
MIN	0.150	0.320	0.255	0.816	0.784	0.248	0.093	0.114	0.053	0.108	0.503	0.575	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.15
MAXIMUM DAILY, 8.21 ON APR 16
MINIMUM DAILY, 0.053E ON SEP 19
MAXIMUM INSTANTANEOUS
10.4 AT 20:53 AST ON APR 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 54 N
LONG 065 42 43 W
DRAINAGE AREA, 34.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 030	JUL	2 130
FEB	1 630	AUG	2 120
MAR	3 120	SEP	346
APR	8 630	OCT	1 680
MAY	4 730	NOV	3 660
JUN	1 520	DEC	4 560

TOTAL DISCHARGE, 36 200 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.062 IS DUE TO CURVE EXTENSION

NEW BRUNSWICK

CATAMARAN BROOK AT REPAP ROAD BRIDGE - STATION NO. 01BP002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.182B	0.414B	0.172B	0.328	3.98	1.04	0.190	0.383	0.238	0.449	0.726	1.02	1
2	0.169B	0.380B	0.167B	0.333	5.39	0.860	0.183	0.393	0.213	0.433	0.700	0.896	2
3	0.158B	0.360B	0.162B	0.343	3.07	0.692	0.167	0.302	0.201	0.329	0.675	0.801	3
4	0.152B	0.340B	0.159B	0.566	2.17	0.679	0.215	0.247	0.180	0.286	0.677	0.805	4
5	0.148B	0.321B	0.155B	1.70	1.81	0.854	0.185	0.219	0.178	0.420	0.681	2.21	5
6	0.142B	0.310B	0.151B	1.77	2.25	0.669	0.148	0.182	0.173	0.384	0.651B	1.64	6
7	0.138B	0.300B	0.148B	1.38	1.95	0.578	0.143	0.179	0.187	0.334	0.749B	1.21	7
8	0.135B	0.290B	0.145B	1.07	1.58	0.535	0.152	0.185	0.248	0.321	0.626	1.03	8
9	0.132B	0.305B	0.142B	0.915	1.39	0.520	0.147	0.193	0.186	0.453	0.591	0.921	9
10	0.128B	0.330B	0.139B	0.813	1.22	0.634	0.151	0.171	0.159	0.822	0.558	0.860	10
11	0.126B	0.305B	0.136B	0.811	2.09	0.490	0.143	1.09	0.152	0.609	3.51	0.882	11
12	0.124B	0.292B	0.134B	0.768	1.77	0.400	0.118	3.64	0.136	0.505	2.04	0.860B	12
13	0.123B	0.281B	0.132B	0.703	1.26	0.363	0.101	1.36	0.131	0.568	1.30	0.840B	13
14	0.121B	0.268B	0.142B	0.696	1.07	0.340	0.091	1.60	0.130	1.92	1.05	0.820B	14
15	0.120B	0.258B	0.140B	0.928	0.918	0.302	0.081	1.42	0.162	1.22	0.942	0.800B	15
16	0.118B	0.246B	0.149B	2.35	0.822	0.287	0.078	0.858	0.665	0.826	0.904	0.790B	16
17	0.120B	0.239B	0.200B	2.49	0.762	0.271	0.086	0.637	0.352	0.642	1.02	0.780B	17
18	0.300B	0.229B	0.300B	2.81	1.58	0.252	0.078	0.542	0.245	0.575	1.33	0.761	18
19	0.210B	0.223B	0.440B	1.99	1.78	0.392A	0.098	0.703	0.200	1.68	1.37	1.16	19
20	0.185B	0.218B	0.442	1.96	1.23	0.463A	0.098	0.542	0.175	1.46	1.80 B	0.915	20
21	0.170B	0.210B	0.352	3.52	0.998	0.393	0.084	0.442	0.161	0.968	1.26 B	1.03	21
22	0.160B	0.220B	0.323B	3.07 A	1.66	0.370	0.075	0.389	0.146	0.800	0.998	1.18	22
23	0.150B	0.210B	0.356B	2.27 A	2.37	0.367	0.264	0.349	0.806	0.721	0.878	1.66	23
24	0.141B	0.202B	0.478B	2.31	1.69	0.782A	1.52	0.322	0.896	5.32	0.939	2.07	24
25	0.135B	0.198B	0.567B	2.26	1.25	0.762A	2.07	0.303	0.482	4.39	1.17	1.55	25
26	0.400B	0.193B	0.440B	2.65	0.996	0.448A	2.03	0.278	0.358	1.99	1.02	1.59	26
27	0.740B	0.188B	0.397B	4.98	0.877	0.325A	0.902	0.256	0.301	1.46	0.861	1.51	27
28	0.560B	0.180B	0.423B	5.11	0.781	0.266	0.551	0.302	0.265	1.19	0.803	1.38 B	28
29	0.475B		0.410	3.08	0.700	0.226	0.428	0.347	0.241	1.07	1.11	1.22 B	29
30	0.520B		0.436	2.93	1.48	0.204	0.322	0.314	0.236	0.932	1.27	1.14 B	30
31	0.459B		0.356		1.49		0.281	0.258		0.841		1.05 B	31
TOTAL	6.943	7.510	8.293	56.904	52.384	14.764	11.182	18.406	8.203	33.918	32.209	35.381	TOTAL
MEAN	0.224	0.268	0.268	1.90	1.69	0.492	0.361	0.594	0.273	1.09	1.07	1.14	MEAN
MAX	0.740	0.414	0.567	5.11	5.39	1.04	2.07	3.64	0.896	5.32	3.51	2.21	MAX
MIN	0.118	0.180	0.132	0.328	0.700	0.204	0.075	0.171	0.130	0.286	0.558	0.761	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.784
MAXIMUM DAILY, 5.39 ON MAY 02
MINIMUM DAILY, 0.075 ON JUL 22
MAXIMUM INSTANTANEOUS,
13.9E AT 18:50 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 51 27 N
LONG 066 11 18 W
DRAINAGE AREA, 28.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	600	JUL	966
FEB	649	AUG	1 590
MAR	717	SEP	709
APR	4 920	OCT	2 930
MAY	4 530	NOV	2 780
JUN	1 280	DEC	3 060

REMARKS - THE E FOR DISCHARGE ABOVE 8.18 IS DUE TO CURVE EXTENSION

TOTAL DISCHARGE, 24 700 dam³

CHAMCOOK STREAM AT LITTLE CHAMCOOK LAKE OUTLET - STATION NO. 01AR012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.101	0.620	0.227	0.348	0.227	0.453	0.101	0.229	0.027	0.202	0.446	0.267	1
2	0.104	0.537	0.222	0.324	0.213	0.414	0.093	0.214	0.024	0.197	0.395	0.257	2
3	0.103	0.482	0.213	0.311	0.202	0.363	0.085	0.196	0.021	0.188	0.349	0.245	3
4	0.102	0.435	0.204	0.465	0.185	0.319	0.078	0.181	0.019	0.176	0.313	0.327	4
5	0.105	0.392	0.197	0.717	0.172	0.289	0.074	0.166	0.016	0.184	0.290	0.971	5
6	0.109	0.337	0.189	0.798	0.176	0.264	0.063	0.154	0.015	0.179	0.293	1.19	6
7	0.109	0.294	0.175	0.775	0.162	0.244	0.060	0.141	0.019	0.172	0.322	1.11	7
8	0.105	0.266	0.165	0.690	0.152	0.229	0.059	0.127	0.024	0.165	0.310	0.972	8
9	0.102	0.251	0.155	0.624	0.141	0.215	0.051	0.119	0.021	0.159	0.289	0.841	9
10	0.103	0.262	0.147	0.563	0.133	0.200	0.047	0.109	0.020	0.162	0.275	0.727	10
11	0.108	0.296	0.141	0.648	0.154	0.180	0.040	0.102	0.021	0.156	0.389	0.619	11
12	0.117	0.307	0.139	0.766	0.163	0.162	0.035	0.129	0.020	0.151	0.459	0.523	12
13	0.116	0.315	0.142	0.755	0.173	0.148	0.031	0.127	0.020	0.178	0.462	0.462	13
14	0.109	0.306	0.144	0.686	0.257	0.135	0.027	0.124	0.018	0.216	0.446	0.397	14
15	0.112	0.291	0.178	0.636	0.327	0.120	0.025	0.119	0.026	0.235	0.425	0.359	15
16	0.117	0.286	0.205	0.630	0.389	0.108	0.023	0.109	0.047	0.242	0.398	0.396	16
17	0.115	0.282	0.225	0.616	0.403	0.099	0.022	0.100	0.045	0.240	0.364	0.423	17
18	0.124	0.272	0.292	0.613	0.450	0.088	0.020	0.092	0.041	0.240	0.348	0.429	18
19	0.129	0.259	0.455	0.562	0.465	0.079	0.018	0.083	0.038	0.250	0.367	0.500	19
20	0.128	0.245	0.556	0.512	0.460	0.074	0.017	0.071	0.049	0.252	0.368	0.527	20
21	0.129	0.235	0.730	0.488	0.428	0.070	0.017	0.065	0.056	0.248	0.350	0.517	21
22	0.129	0.221	0.833	0.473	0.444	0.066	0.015	0.058	0.054	0.245	0.328	0.540	22
23	0.133	0.227	0.868	0.435	0.534	0.064	0.016	0.052	0.111	0.242	0.307	0.573	23
24	0.134	0.245	0.891	0.394	0.641	0.108	0.019	0.049	0.175	0.251	0.296	0.710	24
25	0.137	0.251	0.827	0.356	0.656	0.122	0.056	0.047	0.209	0.587	0.299	0.828	25
26	0.193	0.245	0.737	0.324	0.631	0.125	0.177	0.044	0.222	0.701	0.303	0.804	26
27	0.390	0.237	0.643	0.291	0.564	0.121	0.226	0.042	0.223	0.690	0.294	0.728	27
28	0.548	0.231	0.564	0.272	0.501	0.114	0.242	0.037	0.224	0.646	0.292	0.646	28
29	0.630		0.479	0.255	0.442	0.106	0.242	0.038	0.214	0.619	0.292	0.567	29
30	0.726		0.417	0.239	0.463	0.105	0.238	0.036	0.203	0.566	0.280	0.512	30
31	0.693		0.387		0.472		0.226	0.031		0.504		0.480	31
TOTAL	6.060	8.627	11.747	15.566	10.780	5.184	2.443	3.190	2.221	9.343	10.349	18.447	TOTAL
MEAN	0.196	0.308	0.379	0.519	0.348	0.173	0.079	0.103	0.074	0.301	0.345	0.595	MEAN
MAX	0.726	0.620	0.891	0.798	0.656	0.453	0.242	0.229	0.224	0.701	0.462	1.19	MAX
MIN	0.101	0.221	0.139	0.239	0.133	0.064	0.015	0.031	0.015	0.151	0.275	0.245	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.285
MAXIMUM DAILY, 1.19 ON DEC 06
MINIMUM DAILY, 0.015 ON JUL 22
MAXIMUM INSTANTANEOUS,
1.20 AT 12:53 AST ON DEC 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 09 26 N
LONG 067 05 46 W

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	524	JUL	211
FEB	745	AUG	276
MAR	1 010	SEP	192
APR	1 340	OCT	807
MAY	931	NOV	894
JUN	448	DEC	1 590

TOTAL DISCHARGE, 8 970 dam³

NEW BRUNSWICK

COAL BRANCH RIVER AT BEERSVILLE - STATION NO. 01BS001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20B	4.60B	1.37B	2.79	4.36	5.60	0.669	10.6	0.258	0.366	2.27	2.94	1
2	1.70B	4.10B	1.30B	3.69	3.93	4.27	0.588	11.9	0.212	0.424	1.92	2.54	2
3	2.70B	3.85B	1.26B	5.28	3.47	3.43	0.556	8.41	0.227	0.367	1.66	2.35	3
4	2.35B	3.55B	1.21B	11.9	2.93	2.83	0.566	4.34	0.217	0.315	1.62	2.56	4
5	2.80B	3.25B	1.17B	22.1	2.65	2.54	0.605	2.67	0.190	0.352	1.58	8.29	5
6	2.50B	3.05B	1.15B	17.5	5.91	2.22	0.525	1.84	0.214	0.382	1.43	7.19	6
7	2.20B	2.85B	1.13B	12.8	7.56	1.96	0.473	1.25	0.236	0.343	2.85	4.80	7
8	2.00B	2.70B	1.11B	8.49	5.60	3.03	0.492	1.04	0.395	0.292	2.92	3.50	8
9	1.85B	2.55B	1.09B	6.64	4.65	2.42	0.471	1.08	0.298	0.305	2.31	3.17	9
10	1.73B	2.80B	1.07B	6.35	3.79	1.96	0.508	0.914	0.251	0.912	1.92	3.07	10
11	1.62B	3.30B	1.30B	5.07	3.96	1.62	0.507	0.782	0.209	1.03	5.42	2.54	11
12	1.51B	2.95B	2.70B	5.06	4.00	1.39	0.450	0.948	0.206	0.814	6.62	2.07	12
13	1.45B	2.75B	2.50B	4.95	3.54	1.30	0.396	0.933	0.180	0.819	4.10	2.04	13
14	1.38B	2.54B	2.07B	5.74	8.97	1.10	0.366	0.866	0.173	0.930	3.04	2.39	14
15	1.31B	2.35B	1.90B	9.69	7.66	0.957	0.384	1.06	0.148	1.27	2.52	2.37	15
16	1.24B	2.16B	1.75B	25.0	5.38	0.905	0.373	0.783	0.168	1.07	2.21	2.28	16
17	1.20B	2.03B	4.00B	23.8	4.34	0.896	0.348	0.640	0.168	0.807	2.16	5.08	17
18	2.00B	1.90B	7.00B	29.1	9.74	0.814	0.357	0.555	0.150	0.736	3.93	5.25	18
19	3.80B	1.80B	10.5 B	15.7	15.7	1.04	0.297	0.512	0.159	0.690	8.04	16.6	19
20	3.50B	1.70B	7.50B	12.6	9.32	1.12	0.280	1.82	0.288	0.760	19.7	10.2 A	20
21	2.90B	1.60B	10.0 B	16.3	8.18	1.09	0.288	1.11	0.846	0.627	15.1	6.63E	21
22	2.50B	1.70B	15.0 B	14.8	9.99	1.11	0.256	0.786	0.599	0.546	13.4	17.8 E	22
23	2.10B	1.90B	12.8	11.2	42.2	1.15	0.330	0.553	0.830	0.483	12.1	31.6 E	23
24	1.93B	2.12B	19.2	8.53	29.7	2.99	1.07	0.487	1.37	2.33	10.6	46.6 E	24
25	1.82B	1.75B	12.3	6.93	13.1	2.93	9.07	0.442	0.891	4.81	10.3	15.2 E	25
26	4.00B	1.60B	7.89	6.36	7.87	1.94	15.2	0.381	0.692	3.32	7.73	10.0 E	26
27	9.00B	1.52B	6.84	6.94	5.66	1.31	8.57	0.340	0.511	2.71	5.36	8.16E	27
28	7.80B	1.47B	5.70	7.42	4.43	1.04	4.11	0.261	0.415	2.38	4.67	6.92E	28
29	6.80B		4.21	5.90	3.67	0.870	2.44	0.314	0.368	2.39	4.22	5.86E	29
30	5.80B		3.87	4.87	6.54	0.738	1.60	0.323	0.340	3.79	3.53	5.33E	30
31	5.10B		2.94		8.82		1.08	0.244A		2.98		4.89E	31
TOTAL	89.79	70.44	152.83	323.40	257.22	56.570	53.225	59.792	11.209	39.430	165.23	250.22	TOTAL
MEAN	2.90	2.52	4.93	10.8	8.30	1.89	1.72	1.93	0.374	1.27	5.51	8.07	MEAN
MAX	9.00	4.60	19.2	29.1	42.2	5.60	15.2	11.9	1.37	4.81	19.7	46.6	MAX
MIN	1.20	1.47	1.07	2.79	2.65	0.738	0.256	0.244	0.148	0.292	1.41	2.04	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.19
MAXIMUM DAILY, 46.6E ON DEC 24
MINIMUM DAILY, 0.148 ON SEP 15
MAXIMUM INSTANTANEOUS,
48.4 AT 19:39 AST ON MAY 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 26 37 N
LONG 065 03 55 W
DRAINAGE AREA, 166 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 760	JUL	4 600
FEB	6 090	AUG	5 170
MAR	13 200	SEP	968
APR	27 900	OCT	3 410
MAY	22 200	NOV	14 300
JUN	4 890	DEC	21 600

TOTAL DISCHARGE, 132 000 dam³

COLD STREAM AT COLDSTREAM - STATION NO. 01AJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.672	3.39	1.13	3.30	5.55	4.63	1.13	5.04	1.59	2.04	3.65	4.31	1
2	0.878	3.07	1.14	3.98	6.27	3.99	1.08	3.80	1.42	1.88	3.23	3.96	2
3	1.11	2.15	1.14	4.68	5.21	3.50	0.962	2.64	1.28	1.69	3.12	3.41	3
4	1.10	2.15	1.12	18.5	4.65	3.39	1.07	2.09	1.20	1.50	2.88	3.28	4
5	1.04	2.24	1.03	34.8	4.33	3.98	1.02	1.85	1.14	2.57	3.17	6.46	5
6	0.982	2.34	0.961	23.5	4.33	2.98	0.860	1.64	1.16	2.72	2.75	4.69	6
7	0.887	2.26	0.940	16.5	3.95	2.73	0.816	1.58	1.20	2.22	2.67	3.98	7
8	0.883	2.11	0.916	11.6	3.44	2.85	0.783	1.45	1.77	2.04	2.40	3.50	8
9	0.870	2.01	0.921	8.52	3.09	2.30	0.935	2.59	1.22	2.05	2.12	3.22	9
10	0.857	2.18	0.919	8.00	2.89	2.15	0.994	1.66	1.08	2.90	1.99	2.93	10
11	0.866	2.73	1.02	6.96	4.89	2.16	0.777	33.3	1.04	2.56	9.47	2.13	11
12	0.851	2.09	1.19	6.19	4.73	1.80	0.669	74.2	1.01	2.73	7.13	1.80B	12
13	0.802	1.88	1.26	5.60	3.91	1.51	0.597	28.8	1.04	5.03	5.13	2.47	13
14	0.705	2.12	1.25	5.55	3.70	1.33	0.571	21.9	0.961	13.3	4.46	2.00	14
15	0.671	1.77	1.28	8.51	3.09	1.20	0.542	15.8	1.60	10.2	4.01	1.68	15
16	0.720	1.78	1.32	24.3	2.89	1.11	0.529	9.48	3.36	7.05	3.68	2.03	16
17	0.725	1.72	1.77	23.0	2.56	1.05	0.539	6.68	1.90	5.77	3.86	1.81	17
18	0.984	1.49	3.93	21.6	4.29	1.08	0.482	5.57	1.49	4.93	4.36	1.71	18
19	1.55	1.53	6.08	14.9	3.95	1.30	0.466	5.91	1.29	7.41	4.49	5.31	19
20	1.36	1.46	5.87	14.6	3.54	1.22	0.478	4.37	1.26	7.05	4.89	2.78	20
21	1.39	1.29	5.25	20.3	3.02	1.13	0.471	3.69	1.21	5.37	4.08	2.65	21
22	1.31	1.39	4.84	18.3	5.39	1.87	0.415	3.17	1.16	4.86	3.73	8.74	22
23	1.27	1.51	5.46	16.7	8.44	1.56	1.02	2.76	2.00	4.54	3.90	14.2	23
24	1.23	1.57	9.47	13.7	6.54	3.83	4.37	2.43	2.15	23.7	5.58	15.6	24
25	1.17	1.33	5.50	11.8	5.63	2.93	9.47	2.18	1.65	27.1	7.69	7.20	25
26	1.68	1.19	5.08	10.2	5.05	2.73	12.6	1.98	1.42	13.8	6.35	5.65	26
27	4.40	1.10	4.40	11.6	4.46	1.87	5.36	1.84	1.32	8.51	5.09	3.66	27
28	5.23	1.19	3.94	12.2	3.99	1.64	4.00	3.35	1.24	6.38	5.35	3.11	28
29	4.81		3.65	7.85	3.49	1.38	3.11	2.67	1.19	5.59	5.59	3.54	29
30	3.91		3.43	6.27	6.92	1.26	2.60	2.25	1.20	4.72	4.98	4.51	30
31	3.21		3.40		6.52		2.29	1.84		4.18		5.00	31
TOTAL	48.123	53.04	86.607	393.81	140.61	66.46	61.006	258.51	42.551	196.39	131.80	137.32	TOTAL
MEAN	1.55	1.89	2.79	13.1	4.54	2.22	1.97	8.34	1.42	6.34	4.39	4.43	MEAN
MAX	5.23	3.39	6.47	34.8	8.44	4.63	12.6	74.2	2.15	27.1	9.47	15.6	MAX
MIN	0.671	1.10	0.916	3.30	2.56	1.05	0.415	1.45	0.961	1.50	1.99	1.68	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.43
MAXIMUM DAILY, 74.2 ON AUG 12
MINIMUM DAILY, 0.415 ON JUL 22
MAXIMUM INSTANTANEOUS,
126E AT 23:23 AST ON AUG 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 20 32 N
LONG 067 28 09 W
DRAINAGE AREA, 156 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 160	JUL	5 270
FEB	4 580	AUG	22 300
MAR	7 480	SEP	3 680
APR	34 000	OCT	17 000
MAY	12 100	NOV	21 400
JUN	5 740	DEC	11 900

TOTAL DISCHARGE, 140 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 115 IS DUE TO CURVE EXTENSION

NEW BRUNSWICK

DENNIS STREAM NEAR ST. STEPHEN - STATION NO. 01AR006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.770B	4.38B	1.84B	3.24	1.78	5.89	1.20	0.409	0.157	1.02 E	3.02	3.12	1
2	0.870B	3.95B	1.79B	3.37	1.68	5.47	1.01	0.385	0.165	1.07 A	2.59	2.75	2
3	1.03 B	3.60B	1.73B	3.75	1.32	4.43	0.845	0.350	0.312	0.949	2.17	2.40	3
4	1.25 B	3.25B	1.70B	12.0	1.06	3.51	0.723	0.383	0.222A	0.809	1.86	6.69	4
5	2.10 B	3.00B	1.67B	15.3	1.15	2.80	0.642	0.370	0.202E	1.20	1.75	16.3	5
6	1.88 B	2.75B	1.62B	16.1	1.76	2.24	0.544	0.348	0.190E	1.07	2.20	14.7	6
7	1.63 B	2.62B	1.60B	13.8	1.61	1.89	0.463	0.326	0.202E	0.882	2.89	12.6	7
8	1.51 B	2.48B	1.57B	10.2	1.59	1.65	0.425	0.302	0.240E	0.804	2.74	9.96	8
9	1.39 B	2.52B	1.53B	7.33	1.53	1.41	0.382	0.280	0.430E	0.851	2.65	7.77	9
10	1.30 B	3.30B	1.55B	5.76	1.32	1.27	0.344	0.254	0.355E	1.29	2.57	5.87	10
11	1.72 B	4.20B	1.78B	9.72	2.52	1.03	0.313	0.268	0.320E	1.26	7.18	3.90B	11
12	1.61 B	5.15B	1.95B	10.0	2.50	0.781	0.285	0.411	0.285E	1.28	6.04	3.00B	12
13	1.47 B	5.00B	2.19B	9.18	3.11	0.646	0.258	0.306	0.255E	1.52	5.45	2.65B	13
14	1.33 B	4.30B	2.50B	7.49	10.4	0.556	0.226	0.294	0.248E	1.75	5.03	2.32B	14
15	1.23 B	3.72B	2.87B	6.80	9.47	0.543	0.201	0.253	0.360E	1.90	4.43	2.60B	15
16	1.13 B	3.10B	3.30B	8.75	8.41	0.502	0.189	0.229	0.620E	1.97	3.65	4.55B	16
17	1.08 B	2.70B	5.60B	8.80	6.46	0.453	0.174	0.219	0.860E	1.66	3.13	4.00B	17
18	1.18 B	2.52B	13.0 B	9.03	6.69	0.394	0.154	0.209	0.620E	1.51	3.03	4.94	18
19	2.36 B	2.42B	19.0 B	7.51	5.98	0.647	0.134	0.203	0.550E	2.71	3.16	8.88	19
20	2.20 B	2.33B	18.2 B	6.06	5.41	0.658	0.127	0.191	0.680E	2.70	3.48	7.90B	20
21	2.02 B	2.30B	16.8 B	5.95	4.83	0.566	0.130	0.179	2.10 A	2.49	3.11	7.00B	21
22	1.81 B	2.45B	15.3 B	5.76	5.83	0.516	0.122	0.161	4.40 E	2.44	2.83	7.88	22
23	1.62 B	2.62B	14.2 B	5.27	7.46	0.550	0.151	0.155	3.43 A	2.35	2.71	8.70	23
24	1.50 B	2.80B	13.2 B	4.67	7.93	2.51	0.176	0.149	2.15 E	2.19	3.31	18.1	24
25	1.70 B	2.52B	12.0	4.05	7.06	2.59	0.507	0.137	2.63 A	9.62	3.87	18.3	25
26	3.00 B	2.35B	9.95	3.44	6.04	2.83	0.977	0.126	2.10 A	9.75	3.95	14.7	26
27	9.40 B	2.23B	8.04	2.93	4.84	2.54	0.604	0.324	1.70 E	8.65	3.90	12.4	27
28	8.00 B	2.10B	6.15	2.56	3.59	2.23	0.459	0.235	1.42 E	6.22	4.03	9.49	28
29	6.40 B		4.87	2.22	2.78	1.81	0.392	0.219	1.20 E	5.37	4.36	6.74	29
30	5.65 B		4.04	1.95	4.92	1.50	0.348	0.188	1.00 E	4.49	3.74	4.31	30
31	5.10 B		3.40		5.49		0.357	0.166		3.60		4.47	31
TOTAL	75.240	86.66	194.94	212.99	136.52	54.412	12.862	8.029	30.403	91.375	104.83	238.99	TOTAL
MEAN	2.43	3.10	6.29	7.10	4.40	1.81	0.415	0.259	1.01	2.95	3.49	7.71	MEAN
MAX	9.40	5.15	19.0	16.1	10.4	5.89	1.20	0.411	4.40	9.75	7.18	18.3	MAX
MIN	0.770	2.10	1.53	1.95	1.06	0.394	0.122	0.126	0.157	0.804	1.75	2.32	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.42
MAXIMUM DAILY, 19.0B ON MAR 19
MINIMUM DAILY, 0.122 ON JUL 22
MAXIMUM INSTANTANEOUS,
26.2 AT 17:34 AST ON DEC 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 12 35 N
LONG 067 15 45 W
DRAINAGE AREA, 115 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 500	JUL	1 110
FEB	7 490	AUG	694
MAR	16 800	SEP	2 630
APR	18 400	OCT	7 890
MAY	11 800	NOV	9 060
JUN	4 700	DEC	20 600

TOTAL DISCHARGE, 108 000 dam³

EEL RIVER NEAR DUNDEE - STATION NO. 01BJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.144B	0.150B	0.075B	0.289B	9.89	0.906A	0.232	0.615	0.183	0.166	1.41	1.57	1
2	0.142B	0.166B	0.073B	0.289B	13.8	0.787A	0.212	0.461	0.176	0.160	1.25	1.27	2
3	0.135B	0.152B	0.075B	0.324B	7.82	0.692A	0.195	0.286	0.169	0.162	1.22	1.11	3
4	0.130B	0.140B	0.077B	0.366B	4.97	0.681A	0.211	0.212	0.152	0.155	1.25	1.04	4
5	0.137B	0.132B	0.078B	0.433B	3.76	0.669A	0.206	0.167	0.145	0.172	1.26	1.40	5
6	0.135B	0.128B	0.082B	0.579B	3.45	0.626A	0.173	0.147	0.140	0.190	1.15 A	1.18	6
7	0.132B	0.121B	0.084B	0.535B	3.17	0.584A	0.157	0.147	0.147	0.258	0.753A	1.10 B	7
8	0.133B	0.118B	0.091B	0.488B	2.51	0.565A	0.143	0.141	0.156	0.541	0.648	1.00 B	8
9	0.133B	0.114B	0.093B	0.458B	2.08	0.535A	0.148	0.146	0.153	0.826	0.577	0.930B	9
10	0.134B	0.110B	0.097B	0.446B	1.92	0.480A	0.240	0.149	0.136	1.38	0.539	0.870B	10
11	0.128B	0.108B	0.103B	0.450B	2.04A	0.463A	0.225	0.180	0.137	0.963	1.22	0.840B	11
12	0.124B	0.105B	0.113B	0.458B	1.72A	0.429A	0.171	0.243	0.118	0.881	1.31	0.810B	12
13	0.121B	0.102B	0.124B	0.493B	1.70A	0.328A	0.158	0.199	0.126	0.959	1.05 A	0.790B	13
14	0.126B	0.099B	0.152B	0.573	1.33A	0.310	0.135	1.55	0.117	3.14	0.934	0.770B	14
15	0.129B	0.098B	0.199B	0.758	1.25A	0.281	0.128	1.08	0.152	2.94	0.830	0.750B	15
16	0.131B	0.096B	0.250B	1.33	1.10A	0.279	0.122	0.652	0.473	1.91	0.794	0.740B	16
17	0.134B	0.094B	0.349B	2.32	1.02A	0.269	0.154	0.503	0.308	1.53	1.61	0.730B	17
18	0.146B	0.092B	0.497B	2.38	1.51A	0.244	0.142	0.441	0.234	1.36	1.52	0.770B	18
19	0.160B	0.090B	0.336B	2.22	1.61A	0.258	0.152	0.424	0.189	1.50	1.50	0.830B	19
20	0.150B	0.088B	0.293B	2.44	1.90A	0.382	0.115	0.369	0.177	1.55	2.41	0.770B	20
21	0.142B	0.087B	0.289B	4.48	1.68A	0.312	0.099	0.312	0.162	1.26	1.97	0.700B	21
22	0.140B	0.086B	0.305B	5.57	2.69A	0.271	0.091	0.274	0.150	1.14	1.68	0.650B	22
23	0.140B	0.084B	0.309B	5.54	2.12A	0.294	0.107	0.247	0.223	1.06	1.63	0.760B	23
24	0.138B	0.083B	0.305B	6.48	1.80A	0.690	0.223	0.220	0.280	5.92 A	1.75	0.710B	24
25	0.136B	0.081B	0.297B	6.14	1.49A	0.620	0.327	0.207	0.235	1.75	1.87	0.670B	25
26	0.158B	0.080B	0.309B	6.12	1.41A	0.449	0.292	0.222	0.184	2.44	1.62	0.630B	26
27	0.180B	0.078B	0.289B	10.9	1.20A	0.381	0.193	0.217	0.188	3.10	1.41	0.600B	27
28	0.160B	0.077B	0.282B	14.8	1.15A	0.368	0.148	0.231	0.184	2.43	1.47	0.570B	28
29	0.150B		0.271B	8.02	1.09A	0.308	0.140	0.267	0.180	2.02	1.43	0.550B	29
30	0.140B		0.275B	6.65	1.07A	0.272	0.167	0.303	0.158	1.77	1.52	0.530B	30
31	0.135B		0.265B		1.12A		0.134	0.236		1.65		0.580B	31
TOTAL	4.323	2.959	6.457	92.329	85.37	13.733	5.340	10.848	5.532	44.383	39.585	26.220	TOTAL
MEAN	0.140	0.106	0.208	3.08	2.75	0.458	0.172	0.350	0.184	1.43	1.32	0.846	MEAN
MAX	0.180	0.166	0.497	14.8	13.8	0.906	0.327	1.55	0.473	5.02	2.41	1.57	MAX
MIN	0.121	0.077	0.073	0.289	1.02	0.244	0.091	0.141	0.117	0.155	0.539	0.530	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.924
MAXIMUM DAILY, 14.8 ON APR 28
MINIMUM DAILY, 0.073B ON MAR 02
MAXIMUM INSTANTANEOUS,
29.0 AT 19:50 AST ON OCT 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 59 19 N
LONG 066 29 30 W
DRAINAGE AREA, 43.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	374	JUL	461
FEB	256	AUG	937
MAR	558	SEP	478
APR	7 980	OCT	3 830
MAY	7 380	NOV	3 420
JUN	1 190	DEC	2 270

TOTAL DISCHARGE, 29 100 dam³

NEW BRUNSWICK

EEL RIVER NEAR SCOTT SIDING - STATION NO. 01AK008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00B	15.1 B	6.00B	19.8B	20.5	30.6	6.29	4.90	12.1	5.96	19.9	18.9	1
2	3.40B	14.3 B	5.65B	20.0	18.9	26.5	5.73	5.47	9.29	6.90	18.2	17.7	2
3	3.70B	13.7 B	5.30B	20.8	17.1	21.8	5.45	5.06	7.91	7.14	17.1	15.8	3
4	3.90B	12.7 B	5.05B	30.8	15.2	18.9	5.10	4.11	6.71	6.27	15.9	14.9	4
5	4.32B	11.8 B	4.85B	48.6	13.9	17.2	4.69	3.39	5.87	7.18	14.2	22.2	5
6	3.80B	10.9 B	4.65B	57.5	13.9	14.9	3.90	2.74	5.03	7.16	13.8	28.4	6
7	3.50B	10.0 B	4.48B	56.6	13.8	13.4	3.40	2.35	4.70	6.81	15.3	26.4	7
8	3.30B	9.30B	4.60B	50.5	13.6	13.7	3.25	2.18	4.96	6.22	15.2	24.7	8
9	3.15B	8.00B	5.00B	44.3	12.8	12.6	3.25	2.01	4.63	6.30	13.6	22.4	9
10	3.40B	10.5 B	5.60B	39.9	11.5	11.5	3.25	1.84	4.55	7.30	12.7	21.1	10
11	3.70B	13.2 B	6.40B	38.9	13.7	10.3	2.69	6.66	4.36	7.81	21.0	12.0B	11
12	3.30B	12.9 B	6.60B	38.1	15.1	9.40	2.33	44.9	3.90	8.46	25.7	13.0B	12
13	3.11B	12.4 B	7.00B	35.1	14.6	8.53	2.04	73.5	3.58	8.91	17.3	14.0B	13
14	2.78B	11.7 B	7.20B	32.2	15.1	7.45	1.94	50.1	3.23	14.1	26.4	13.0B	14
15	2.65B	10.7 B	7.30B	32.9	14.6	6.43	1.72	30.9	3.99	19.1	22.1	12.2B	15
16	2.85B	9.80B	7.90B	42.9	13.9	5.62	1.62	22.2	6.75	18.8	19.7	11.5B	16
17	3.05B	9.30B	9.00B	52.1	12.6	5.13	1.65	15.8	6.86	15.2	18.7	11.1B	17
18	3.75B	8.80B	13.7 B	56.0	14.7	5.03	1.49	11.2	6.21	12.8	19.5	11.8B	18
19	4.70B	8.20B	36.0 B	50.9	16.8	6.46	1.39	8.93	5.53	12.7	19.9	13.0B	19
20	6.30B	7.70B	34.8 B	45.1	17.5	7.45	1.19	7.49	5.11	12.6	19.7	14.3B	20
21	5.80B	7.30B	31.9 B	44.4	16.6	7.55	1.07	6.40	4.97	12.0	18.4	13.5B	21
22	5.50B	7.00B	29.5 B	45.3	19.0	7.64	1.00	5.47	4.47	11.4	17.2	13.0B	22
23	5.30B	7.80B	32.0 B	43.1	26.3	7.12	1.11	4.73	6.19	10.3	16.3	15.0B	23
24	5.10B	8.50B	40.0 B	39.0	32.5	13.0	1.70	4.13	8.06	22.3	17.3	24.0B	24
25	5.00B	7.60B	36.0 B	34.9	32.8	16.7	3.00	3.64	8.09	43.5	20.3	35.0B	25
26	6.20B	7.00B	31.0 B	31.2	28.4	16.2	6.17	3.10	7.53	48.4	22.5	37.5B	26
27	7.80B	6.70B	28.0 B	29.0	24.7	12.9	9.72	3.42	6.55	39.5	20.4	26.0B	27
28	12.0 B	6.30B	25.5 B	26.7	21.2	10.4	8.19	14.5	5.62	32.4	20.7	21.0B	28
29	17.4 B		23.8 B	25.4	18.3	8.47	5.69	24.6	5.00	28.1	20.9	17.0B	29
30	16.3 B		21.8 B	23.2	21.9	7.25	4.14	23.6	4.67	25.1	20.2	14.2B	30
31	15.2 B		20.5 B		29.4		3.00	17.2		22.3		13.0B	31
TOTAL	173.26	279.00	507.08	1 155.2	570.9	360.13	107.16	416.60	176.42	493.02	560.1	567.6	TOTAL
MEAN	5.59	9.96	16.4	38.5	18.4	12.0	3.46	13.4	5.88	15.9	18.7	18.3	MEAN
MAX	17.4	15.1	40.0	57.5	32.8	30.6	9.72	73.5	12.1	48.4	26.4	37.5	MAX
MIN	2.65	6.30	4.48	19.8	11.5	5.03	1.00	1.84	3.23	5.96	12.7	11.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.7
MAXIMUM DAILY, 73.5 ON AUG 13
MINIMUM DAILY, 1.00 ON JUL 22
MAXIMUM INSTANTANEOUS,
78.3 AT 07:49 AST ON AUG 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 56 12 N
LONG 067 32 49 W
DRAINAGE AREA, 531 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	15 000	JUL	9 260
FEB	24 100	AUG	36 000
MAR	43 800	SEP	15 200
APR	99 800	OCT	42 600
MAY	49 300	NOV	48 400
JUN	31 100	DEC	49 000

TOTAL DISCHARGE, 464 000 dam³

FISH RIVER NEAR FORT KENT - STATION NO. 01AE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.2 B	12.6 B	10.3 B	30.3	230	77.0	28.3	12.1	10.1	23.5	125	62.3	1
2	12.0 B	12.3 B	10.2 B	30.6	224	72.2	27.1	11.2	9.66	25.3	118	62.0	2
3	11.9 B	12.0 B	9.77B	30.6	212	68.0	25.8	10.9	8.95	27.0	111	60.9	3
4	11.6 B	11.8 B	9.63B	35.7	198	66.3	25.6	10.3	8.58	28.9	107	62.3	4
5	11.5 B	11.5 B	9.49B	48.7	185	63.1	23.5	9.97	8.13	30.9	104	64.0	5
6	11.3 B	10.9 B	9.34B	55.8	175	59.7	21.9	9.71	7.67	31.7	97.7	61.7	6
7	10.9 B	10.6 B	9.20B	62.3	165	56.9	20.6	9.32	7.70	33.6	94.3	60.6	7
8	10.6 B	10.3 B	9.06B	67.7	154	54.4	19.5	9.29	7.56	34.1	88.6	60.3	8
9	10.3 B	10.5 B	9.06B	72.5	143	51.5	19.5	9.12	7.36	34.8	83.5	60.3	9
10	9.91B	11.5 B	9.20B	77.0	132	48.4	18.4	8.58	7.11	41.3	79.9	59.2	10
11	9.77B	12.2 B	10.5 B	80.7	126	45.0	17.0	8.55	6.60	43.6	83.0	57.2	11
12	10.1 B	11.9 B	11.9 B	82.4	118	42.5	16.1	8.69	6.43	46.4	81.3	55.5	12
13	10.2 B	11.5 B	13.7 B	82.1	110	39.9	15.3	8.69	6.00	51.8	78.7	54.1	13
14	9.91B	11.0 B	17.0 B	81.3	102	37.7	14.6	16.3	6.06	64.0	75.9	50.7B	14
15	10.1 B	10.8 B	21.2 B	81.6	95.4	35.4	13.8	15.7	6.17	78.4	73.9	48.1B	15
16	10.5 B	10.6 B	24.9 B	83.5	88.6	33.7	13.3	15.1	5.75	86.9	71.4	46.7	16
17	10.1 B	10.5 B	29.2 B	88.1	83.0	32.0	12.6	15.0	5.41	92.0	70.8	45.3	17
18	10.3 B	10.3 B	34.0 B	90.0	82.1	32.0	12.0	14.8	5.13	95.1	70.2	44.2	18
19	10.8 B	10.2 B	39.6 B	91.5	80.7	31.4	11.6	14.9	4.81	98.3	69.4	44.5	19
20	11.2 B	10.1 B	45.3 B	96.3	79.0	31.4	11.1	14.6	4.81	99.4	69.9	41.3B	20
21	11.6 B	9.91B	51.0 B	110	77.0	30.9	10.5	14.2	4.70	100	67.7	41.6B	21
22	11.8 B	10.1 B	56.1 B	124	83.5	31.1	9.97	13.6	4.67	98.0	66.5	41.9B	22
23	11.6 B	11.2 B	62.1 B	140	97.1	31.4	10.3	13.0	9.26	94.6	64.8	45.0	23
24	11.2 B	11.5 B	69.6 B	154	101	32.8	12.5	12.5	12.7	110	62.9	50.4	24
25	10.8 B	11.0 B	67.7 B	167	104	34.0	12.9	11.9	12.9	140	62.3	50.1B	25
26	11.9 B	10.9 B	52.1 B	175	103	34.0	13.2	11.4	13.8	150	60.0	49.3B	26
27	13.6 B	10.8 B	42.8 B	194	100	33.7	13.5	11.0	14.6	153	58.9	48.4B	27
28	13.6 B	10.5 B	38.5 B	229	96.8	32.6	14.0	10.5	15.1	149	57.5	47.9B	28
29	13.5 B		34.3 B	240	91.5	31.7	13.8	10.8	15.7	144	59.2	47.0B	29
30	13.3 B		30.9 B	236	86.1	30.0	13.5	10.9	16.7	139	61.2	45.6B	30
31	12.9 B		30.3 B		81.3		13.1	10.4		132		44.7B	31
TOTAL	350.99	309.01	883.15	3 137.7	3 804.1	1 300.7	504.87	362.62	260.12	2 474.6	2 374.5	1 612.8	TOTAL
MEAN	11.3	11.0	28.5	105	123	43.4	16.3	11.7	8.67	79.8	79.2	52.0	MEAN
MAX	13.6	12.6	69.9	240	230	77.0	28.3	16.3	16.7	153	125	64.0	MAX
MIN	9.77	9.91	9.06	30.3	77.0	30.0	9.97	9.55	4.67	23.5	57.5	41.3	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 47.6
MAXIMUM DAILY, 240 ON APR 29
MINIMUM DAILY, 4.67 ON SEP 22
MAXIMUM INSTANTANEOUS,
241 AT 07:00 EST ON APR 29

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 14 14 N
LONG 068 34 56 W
DRAINAGE AREA, 2 260 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	30 300	JUL	43 600
FEB	26 700	AUG	31 300
MAR	76 300	SEP	22 500
APR	271 000	OCT	214 000
MAY	329 000	NOV	205 000
JUN	112 000	DEC	139 000

TOTAL DISCHARGE, 1 500 000 dam³

NEW BRUNSWICK

FOREST CITY STREAM BELOW FOREST CITY DAM - STATION NO. 01AR011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.82	8.92	8.10	2.84	9.11	13.2	12.8	2.38	17.9	11.1	2.62	3.11	1
2	2.82	8.97	8.06	2.84	9.06	13.3	12.7	2.39	17.5	14.2	2.64	3.11	2
3	2.84	8.92	8.02	2.86	9.06	13.4	12.6	3.61	17.2	13.9	2.65	3.09	3
4	2.84	8.97	7.92	2.97	8.99	13.4	12.4	4.88	19.2	13.2	2.66	3.18	4
5	4.06	8.88	7.84	3.01	9.03	13.4	12.1	4.87	20.9	13.3	2.66	3.23	5
6	4.95	8.81	7.78	3.03	9.00	8.53	12.1	4.84	20.3	13.0	2.68	3.22	6
7	4.92	8.80	7.78	3.10	7.91	4.71	11.9	4.84	19.7	12.7	2.66	3.25	7
8	4.92	8.74	7.69	3.09	7.16	4.15	11.8	4.81	19.3	12.3	2.69	3.25	8
9	4.94	8.62	7.63	3.13	7.09	4.11	11.7	4.76	18.6	12.2	2.67	3.27	9
10	4.94	8.76	7.56	3.18	7.14	4.09	11.6	4.79	18.1	12.0	2.70	3.27	10
11	4.99	8.79	7.43	3.29	7.15	4.13	11.4	4.88	17.7	11.7	2.81	3.93	11
12	4.93	8.75	7.41	3.29	7.17	4.16	10.4	4.92	16.9	11.5	2.83	2.43	12
13	4.89	8.78	7.43	3.29	7.17	3.60	7.68	5.01	14.7	11.4	2.82	2.58	13
14	4.90	8.72	7.39	3.29	8.94	2.59	6.19	7.05	9.42	11.6	2.81	3.72	14
15	4.93	8.73	7.47	3.35	10.1	2.54	6.21	10.3	6.72	8.54	2.84	3.74	15
16	4.92	8.75	7.48	3.44	10.1	2.54	4.58	11.5	6.81	3.54	2.85	3.74	16
17	4.89	8.75	7.59	3.50	10.1	2.53	3.34	11.5	6.76	2.53	2.86	3.74	17
18	4.91	8.68	7.77	3.52	10.2	4.24	3.23	11.4	6.70	2.35	2.89	3.73	18
19	4.91	8.59	4.74	3.52	10.3	5.48	2.89	11.3	6.65	2.38	2.93	3.75	19
20	4.91	8.52	2.46	3.57	10.3	6.22	2.40	16.5	6.57	2.35	2.95	3.78	20
21	4.89	8.44	2.51	3.61	9.68	6.64	2.35	22.0	6.53	2.32	2.93	3.79	21
22	4.96	8.35	2.60	3.65	9.10	7.91	2.34	18.4 A	6.44	2.33	2.95	3.79	22
23	4.92	8.27	2.65	6.83	9.19	8.77	2.34	21.1 A	6.49	2.34	2.99	3.86	23
24	4.94	8.37	2.70	9.02	9.27	8.88	2.36	28.5 A	6.48	2.47	3.02	3.95	24
25	4.92	8.41	2.71	9.12	9.30	8.94	2.36	27.2 E	6.38	2.50	3.04	4.04	25
26	4.89	8.30	2.74	9.17	9.36	8.89	2.39	26.0 E	6.37	2.53	3.04	4.07	26
27	4.96	8.26	2.76	9.10	9.24	8.91	2.39	25.6 A	6.33	2.56	3.06	4.10A	27
28	4.96	8.20	2.79	9.08	9.29	11.6	5.40	25.6	6.32	2.61	3.08	4.14A	28
29	6.02		2.80	9.08	9.34	11.1	5.39	25.0	6.28	2.62	3.10	4.14A	29
30	7.99		2.82	9.11	10.1	12.9	5.38	24.5	6.26	2.64	3.12	4.12	30
31	8.92		2.84		13.1		2.38	20.9		2.62		4.12	31
TOTAL	151.60	242.00	175.47	141.88	282.15	226.86	206.10	401.33	351.51	223.33	85.55	111.24	TOTA
MEAN	4.89	8.64	5.66	4.73	9.10	7.56	6.65	12.9	11.7	7.20	2.85	3.59	MEAN
MAX	8.92	8.97	8.10	9.17	13.1	13.4	12.8	28.5	20.9	14.2	3.12	4.14	MAX
MIN	2.82	8.20	2.46	2.84	7.09	2.53	2.34	2.38	6.26	2.32	2.62	2.43	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.12
MAXIMUM DAILY, 28.5A ON AUG 24
MINIMUM DAILY, 2.32 ON OCT 21
MAXIMUM INSTANTANEOUS,
28.7 ON AUG 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 39 51 N
LONG 067 44 04 W

DRAINAGE AREA, 357 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	13 100	JUL	17 800
FEB	20 900	AUG	34 700
MAR	15 200	SEP	30 400
APR	12 300	OCT	19 300
MAY	24 400	NOV	7 390
JUN	19 600	DEC	9 610

TOTAL DISCHARGE, 225 000 dam³

FRENCH LAKE AT LAKEVILLE CORNER - STATION NO. 01AO010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.077	---	---	---	3.956	---	---	---	---	1.134	2.886	2.250	1
2	1.091	---	---	---	3.944	---	---	---	---	1.117	2.885	2.325	2
3	1.088	---	---	---	3.866	---	---	---	---	1.145	2.870	2.361	3
4	1.089	---	---	---	3.781	---	---	---	---	1.225	2.807	2.386	4
5	1.100	---	---	2.769	3.690	---	---	---	---	1.342	2.703	2.497	5
6	1.105	---	---	2.825	3.584	---	---	---	---	1.458	2.647	2.663	6
7	1.103	---	---	2.881	3.460	---	---	---	---	1.548	2.609	2.749	7
8	1.106	---	---	2.917	3.371	---	---	---	---	1.600	2.574	2.735	8
9	1.123	---	---	2.938	---	---	---	---	---	1.613	2.505	2.673	9
10	1.161	---	---	2.936	---	---	---	---	---	1.636	2.448	2.588	10
11	1.209	---	---	2.936	---	---	---	---	---	1.672	2.403	2.487	11
12	1.227	---	---	2.892	---	---	---	---	---	1.723	2.384	2.411	12
13	1.246	---	---	2.891	---	---	---	---	---	1.782	2.430	2.319	13
14	1.261	---	---	2.885	---	---	---	---	---	1.851	2.426	2.197	14
15	1.259	---	---	2.865	---	---	---	---	---	1.935	2.391	2.082	15
16	1.249	---	---	2.909	---	---	---	---	---	2.028	2.355	2.023	16
17	1.249	---	---	2.975	---	---	---	---	---	2.129	2.307	1.955	17
18	1.246	---	---	3.024	---	---	---	---	---	2.233	2.279	1.901	18
19	1.243	---	---	3.048	---	---	---	---	---	2.314	2.254	1.960	19
20	1.237	---	---	3.029	---	---	---	---	1.129	2.334	2.280	2.029	20
21	1.223	---	---	3.025	---	---	---	---	1.134	2.360	2.389	2.102	21
22	1.186	---	---	3.042	---	---	---	---	1.144	2.354	2.414	2.200	22
23	1.158	---	---	3.081	---	---	---	---	1.166	2.339	2.383	2.305	23
24	1.146	---	---	3.121	---	---	---	---	1.164	2.371	2.350	2.497	24
25	1.140	---	---	3.163	---	---	---	---	1.203	2.510	2.314	2.770	25
26	1.163	---	---	3.287	---	---	---	---	1.238	2.725	2.273	2.905	26
27	1.268	---	---	3.452	---	---	---	---	1.235	2.917	2.264	2.887	27
28	---	---	---	3.591	---	---	---	---	1.215	3.049	2.252	2.824	28
29	---		---	3.725	---	---	---	---	1.192	3.080	2.231	2.766	29
30	---		---	3.862	---	---	---	---	1.161	3.011	2.214	2.722	30
31	---		---		---		---	---		2.939		2.690	31
MEAN	---	---	---	---	---	---	---	---	---	2.048	2.451	2.428	MEAN
MAX	---	---	---	---	---	---	---	---	---	3.080	2.886	2.905	MAX
MIN	---	---	---	---	---	---	---	---	---	1.117	2.214	1.901	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 3.956 ON MAY 01

MAXIMUM INSTANTANEOUS,
3.977 AT 16:49 AST ON MAY 01

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 54 30 N
LONG 066 15 31 W

A - MANUAL GAUGE

REGULATED

NEW BRUNSWICK

GRAND FALLS FLOWAGE AT GRAND FALLS - STATION NO. 01AR013

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	61.639	61.822	61.563	61.746	61.829	61.819	61.639	61.675	61.814	61.790	61.873	61.697	1
2	61.652	61.833	61.549	61.692	61.815	61.890	61.653	61.685	61.796	61.765	61.845	61.676	2
3	61.665	61.837	61.542	61.642	61.786	61.893	61.674	61.685	61.776	61.718	61.822	61.665	3
4	61.660	61.843	61.540	61.644	61.759	61.911	61.694	61.661	61.753	61.681	61.807	61.680	4
5	61.606	61.846	61.538	61.678	61.728	61.894	61.653	61.658	61.716	61.672	61.784	61.794	5
6	61.587	61.841	61.528	61.696	61.708	61.888	61.640	61.661	61.661	61.645	61.733	61.902	6
7	61.582	61.833	61.511	61.678	61.703	61.917	61.657	61.659	61.635	61.606	61.726	61.954	7
8	61.582	61.800	61.495	61.687	61.703	61.910	61.667	61.656	61.656	61.567	61.781	61.972	8
9	61.569	61.759	61.492	61.724	61.687	61.854	61.685	61.680	61.664	61.590	61.776	61.961	9
10	61.554	61.806	61.514	61.742	61.628	61.789	61.698	61.669	61.668	61.599	61.751	61.933	10
11	61.539	61.846	61.527	61.653	61.632	61.720	61.681	61.683	61.686	61.603	61.765	61.882	11
12	61.468	61.847	61.533	61.659	61.682	61.683	61.663	61.731	61.707	61.615	61.744	61.873	12
13	61.507	61.848	61.543	61.732	61.707	61.651	61.654	61.722	61.710	61.633	61.782	61.902	13
14	61.540	61.854	61.571	61.723	61.762	61.599	61.647	61.717	61.677	61.656	61.765	61.900	14
15	61.545	61.854	61.644	61.675	61.798	61.592	61.654	61.697	61.658	61.677	61.733	61.874	15
16	61.540	61.842	61.694	61.692	61.803	61.606	61.663	61.666	61.696	61.706	61.690	61.883	16
17	61.532	61.840	61.765	61.658	61.774	61.613	61.676	61.641	61.671	61.708	61.672	61.907	17
18	61.557	61.797	61.864	61.659	61.755	61.621	61.664	61.664	61.650	61.694	61.669	61.911	18
19	61.582	61.757	61.945	61.691	61.753	61.617	61.646	61.684	61.665	61.740	61.677	61.944	19
20	61.591	61.717	61.945	61.663	61.795	61.579	61.626	61.704	61.652	61.752	61.700	61.943	20
21	61.607	61.678	61.947	61.617	61.832	61.556	61.624	61.713	61.596	61.742	61.694	61.933	21
22	61.626	61.641	61.949	61.611	61.863	61.549	61.627	61.714	61.613	61.737	61.679	61.947	22
23	61.649	61.628	61.943	61.684	61.891	61.540	61.633	61.721	61.667	61.682	61.665	61.989	23
24	61.664	61.628	61.880	61.778	61.898	61.554	61.644	61.745	61.720	61.709	61.662	61.999	24
25	61.673	61.618	61.925	61.844	61.905	61.575	61.653	61.769	61.754	61.843	61.683	61.960	25
26	61.647	61.602	61.913	61.872	61.892	61.585	61.653	61.794	61.777	61.926	61.725	61.933	26
27	61.647	61.586	61.867	61.888	61.877	61.605	61.652	61.797	61.800	61.958	61.729	61.859	27
28	61.687	61.577	61.874	61.877	61.894	61.613	61.643	61.792	61.824	61.960	61.728	61.770	28
29	61.739		61.886	61.865	61.921	61.611	61.638	61.782	61.830	61.934	61.726	61.817	29
30	61.795		61.857	61.849	61.925	61.624	61.643	61.803	61.803	61.912	61.728	61.905	30
31	61.809		61.803		61.796		61.659	61.818		61.893		61.926	31
MEAN	61.614	61.764	61.714	61.721	61.790	61.695	61.655	61.712	61.710	61.733	61.737	61.880	MEAN
MAX	61.809	61.854	61.949	61.888	61.925	61.917	61.698	61.818	61.830	61.960	61.873	61.999	MAX
MIN	61.468	61.577	61.492	61.611	61.628	61.540	61.624	61.641	61.596	61.567	61.662	61.665	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 61.727
MAXIMUM DAILY, 61.999 ON DEC 24
MINIMUM DAILY, 61.468 ON JAN 12
MAXIMUM INSTANTANEOUS,
62.017 AT 10:06 EST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 16 30 N
LONG 067 29 46 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

REMARKS - PUBLISHED UNDER THE NAME "GRAND FALLS LAKE AT GRAND FALLS" TO 1985

GRAND LAKE AT FOREST CITY - STATION NO. 01AR009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	131.624	131.652	131.537	131.770	132.361	132.453	132.384	132.188	131.908	131.550	131.654	131.916	1
2	131.628	131.643	131.527	131.776	132.364	132.447	132.373	132.184	131.899	131.538	131.652	131.923	2
3	131.630	131.636	131.519	131.784	132.357	132.434	132.362	132.172	131.880	131.524	131.657	131.928	3
4	131.623	131.630	131.514	131.821	132.347	132.429	132.351	132.168	131.845	131.497	131.661	131.948	4
5	131.616	131.627	131.508	131.873	132.343	132.430	132.341	132.159	131.815	131.496	131.665	132.000	5
6	131.618	131.628	131.500	131.903	132.353	132.414	132.319	132.146	131.791	131.487	131.671	132.013	6
7	131.612	131.627	131.494	131.928	132.346	132.417	132.298	132.141	131.777	131.480	131.694	132.021	7
8	131.607	131.621	131.488	131.960	132.344	132.420	132.272	132.138	131.755	131.467	131.693	132.032	8
9	131.602	131.614	131.471	131.982	132.336	132.416	132.258	132.137	131.722	131.459	131.687	132.043	9
10	131.598	131.626	131.460	132.000	132.332	132.418	132.256	132.133	131.701	131.455	131.680	132.050	10
11	131.606	131.621	131.455	132.044	132.356	132.423	132.230	132.151	131.676	131.442	131.741	132.064	11
12	131.607	131.618	131.453	132.077	132.368	132.420	132.214	132.200	131.652	131.434	131.760	132.054	12
13	131.605	131.618	131.452	132.091	132.370	132.414	132.202	132.219	131.633	131.432	131.760	132.057	13
14	131.600	131.614	131.444	132.098	132.392	132.405	132.191	132.238	131.607	131.444	131.762	132.072	14
15	131.595	131.610	131.463	132.117	132.388	132.398	132.179	132.237	131.614	131.447	131.765	132.062	15
16	131.587	131.607	131.466	132.159	132.382	132.396	132.172	132.237	131.628	131.449	131.770	132.076	16
17	131.584	131.609	131.478	132.199	132.376	132.400	132.168	132.232	131.622	131.449	131.780	132.079	17
18	131.594	131.606	131.500	132.237	132.382	132.403	132.162	132.228	131.613	131.449	131.802	132.079	18
19	131.594	131.594	131.522	132.256	132.385	132.403	132.152	132.225	131.601	131.458	131.828	132.092	19
20	131.589	131.587	131.545	132.274	132.390	132.403	132.150	132.199	131.598	131.472	131.836	132.096	20
21	131.586	131.581	131.581	132.298	132.387	132.403	132.150	132.168	131.592	131.459	131.837	132.097	21
22	131.587	131.577	131.610	132.319	132.398	132.398	132.144	132.143	131.573	131.462	131.838	132.122	22
23	131.586	131.576	131.637	132.342	132.409	132.395	132.143	132.110	131.562	131.471	131.839	132.151	23
24	131.583	131.574	131.659	132.355	132.423	132.417	132.145	132.084	131.558	131.537	131.848	132.221	24
25	131.584	131.571	131.682	132.354	132.435	132.429	132.162	132.053	131.588	131.583	131.866	132.277	25
26	131.603	131.562	131.703	132.359	132.438	132.430	132.175	132.020	131.577	131.604	131.888	132.305	26
27	131.616	131.554	131.721	132.361	132.437	132.423	132.175	131.995	131.562	131.618	131.886	132.319	27
28	131.618	131.547	131.734	132.365	132.427	132.419	132.177	131.990	131.559	131.624	131.895	132.331	28
29	131.616		131.744	132.364	132.421	132.408	132.174	131.969	131.558	131.648	131.910	132.339	29
30	131.649		131.752	132.361	132.460	132.398	132.168	131.948	131.554	131.652	131.912	132.345	30
31	131.659		131.764		132.459		132.161	131.927		131.657		132.360	31
MEAN	131.607	131.605	131.561	132.128	132.386	132.415	132.220	132.134	131.669	131.508	131.775	132.112	MEAN
MAX	131.659	131.652	131.764	132.365	132.460	132.453	132.384	132.238	131.908	131.657	131.912	132.360	MAX
MIN	131.583	131.547	131.444	131.770	132.332	132.395	132.143	131.927	131.554	131.432	131.652	131.916	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 131.928
MAXIMUM DAILY, 132.460 ON MAY 30
MINIMUM DAILY, 131.432 ON OCT 13
MAXIMUM INSTANTANEOUS,
132.472 AT 14:44 EST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 39 54 N
LONG 067 44 10 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO INTERNATIONAL BOUNDARY COMMISSION DATUM

REMARKS - PUBLISHED UNDER THE NAME "EAST GRAND LAKE AT FOREST CITY" TO 1985

NEW BRUNSWICK

GRAND LAKE AT NEWCASTLE CREEK - STATION NO. 01AO003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.973	1.788	1.276	2.380	3.896	2.711	1.594	1.392	1.132	1.276E	2.827	2.195
2	0.982	1.788	1.277	2.337	3.895	2.637	1.489	1.439	1.086	1.287E	2.802	2.260
3	0.980	1.744	1.265	2.324	3.815	2.538	1.403	1.451	1.039	1.297E	2.768	2.278
4	0.979	1.682	1.240	2.314	3.726	2.422	1.332	1.411	1.012	1.319E	2.703	2.274
5	0.997	1.626	1.214	2.505	3.611	2.305	1.279	1.361	1.007	1.347A	2.581	2.435
6	1.000	1.580	1.181	2.737	3.466	2.188	1.229	1.308	1.017	1.431	2.483	2.616
7	1.002	1.542	1.148	2.821	3.395	2.069	1.191	1.274	1.047	1.494	2.499	2.661
8	1.006	1.520	1.140	2.876	3.307	1.988	1.151	1.239	1.066	1.498	2.475	2.617
9	1.031	1.517	1.157	2.893	3.218	1.895	1.133	1.208	1.086	1.510	2.425	2.550
10	1.073	1.556	1.150	2.880	3.076	1.790	1.131	1.172	1.084	1.534	2.323	2.469
11	1.129	1.645	1.139	2.856	2.960	1.658	1.124	1.163	1.069	1.588	2.290	2.372
12	1.165	1.695	1.126	2.844	2.873	1.591	1.116	1.197	1.047	1.656	2.383	2.268
13	1.220	1.730	1.116	2.844	2.758	1.559	1.114	1.306	1.022	1.719	2.416	2.157
14	1.251	1.732	1.114	2.828	2.680	1.547	1.107	1.419	0.999	1.800	2.349	2.054
15	1.241	1.661	1.120	2.791	2.645	1.575	1.068	1.492	1.009	1.897	2.315	1.964
16	1.229	1.605	1.140	2.798	2.587	1.551	1.050	1.573	1.026	2.007	2.245	1.875
17	1.204	1.543	1.219	2.882	2.481	1.509	1.055	1.657	1.036	2.120	2.200	1.833
18	1.201	1.461	1.385	2.973	2.390	1.506	1.035	1.691	1.047	2.198	2.133	1.817
19	1.189	1.360	1.576	2.976	2.375	1.470	1.055	1.665	1.055	2.309	2.154	1.895
20	1.153	1.272	1.657	2.954	2.319	1.405	1.059	1.633	1.073	2.319	2.211	1.965
21	1.104	1.209	1.733	2.946	2.271	1.395	1.046	1.625	1.093	2.295	2.309	2.040
22	1.065	1.152	1.853	2.967	2.278	1.417	1.038	1.610	1.086	2.289	2.295	2.107
23	1.053	1.111	1.985	3.017	2.411	1.466	1.035	1.588	1.093	2.240	2.257	2.200
24	1.041	1.113	2.096	3.067	2.652	1.559	1.060	1.535	1.124	2.240	2.223	2.375
25	1.040	1.151	2.172	3.122	2.834	1.627	1.153	1.477	1.159	2.433	2.201	2.708
26	1.085	1.172	2.279	3.242	2.930	1.689	1.345	1.408	1.182A	2.686	2.208	2.837
27	1.261	1.210	2.351	3.410	2.956	1.737	1.524	1.340	1.209E	2.869	2.168	2.800
28	1.456	1.264	2.384	3.529	2.955	1.751	1.567	1.281	1.235E	2.982	2.145	2.720A
29	1.582		2.389	3.670	2.856	1.708	1.560	1.233	1.247E	2.970	2.136	2.642A
30	1.683		2.369	3.822	2.719	1.688	1.514	1.200	1.264E	2.920	2.131	2.612
31	1.763		2.371		2.735		1.438	1.169		2.861		2.615A
MEAN	1.166	1.480	1.568	2.920	2.936	1.798	1.225	1.404	1.089	2.013	2.353	2.329
MAX	1.763	1.788	2.389	3.822	3.896	2.711	1.594	1.691	1.264	2.982	2.655	2.837
MIN	0.973	1.111	1.114	2.314	2.271	1.395	1.035	1.163	0.999	1.276	2.104	1.817

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MEAN, 1.858
MAXIMUM DAILY, 3.896 ON MAY 01
MINIMUM DAILY, 0.973 ON JAN 01
MAXIMUM INSTANTANEOUS,
3.910 AT 16:16 AST ON MAY 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 03 37 N
LONG 066 00 13 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

GRANDE RIVIERE AT VIOLETTE BRIDGE - STATION NO. 01AF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.20 B	1.62 B	0.860B	2.90B	43.4	6.62	1.95	1.41	1.64	5.74	13.1	14.6
2	1.22 B	1.50 B	0.860B	3.20B	48.9	5.98	1.77	1.31	1.40	6.85	11.5	12.4
3	1.30 B	1.40 B	0.850B	5.40B	40.4	5.40	1.66	1.25	1.25	4.78	10.5	10.6
4	1.32 B	1.30 B	0.840B	7.00B	27.0	5.37	1.78	1.15	1.10	3.75	11.6	8.48
5	1.30 B	1.20 B	0.820B	9.00B	21.9	5.59	1.82	1.09	1.06	4.11	16.4	8.00B
6	1.22 B	1.12 B	0.800B	14.0 B	20.0	5.15	1.63	1.06	1.03	4.86	13.5	11.0 B
7	1.15 B	1.06 B	0.780B	16.5 B	20.2	4.28	1.52	1.02	1.17	4.01	12.3	10.2 B
8	1.11 B	1.02 B	0.760B	14.8 B	17.1	3.74	1.48	1.02	2.79	4.14	9.98	9.40B
9	1.07 B	1.00 B	0.740B	13.5 B	14.3	3.48	1.67	1.22	2.21	6.20	8.84	8.80B
10	1.03 B	0.980B	0.720B	12.0 B	13.2	3.55	2.98	1.32	1.56	18.5	8.08	8.20B
11	1.00 B	0.960B	0.760B	11.0 B	15.5	3.37	3.21	1.17	1.31	15.5	15.8	7.70B
12	0.980B	1.05 B	0.803B	18.8	16.8	2.92	2.14	1.57	1.18	14.8	19.6	7.40B
13	0.960B	1.02 B	0.920B	9.68	12.1	2.65	1.65	1.64	1.06	20.8	13.9	7.10B
14	0.945B	0.990B	1.00 B	8.47	10.2	2.46	1.44	8.58	1.04	68.1	11.1	6.80B
15	0.930B	0.960B	1.10 B	8.77	9.10	2.31	1.27	9.83	1.10	84.4	9.83	6.50B
16	0.915B	0.940B	1.30 B	11.9	8.28	2.24	1.18	4.63	4.22	39.6	9.26	6.30B
17	0.900B	0.920B	1.90 B	17.9	7.67	2.15	1.17	2.81	3.74	25.3	12.0	6.10B
18	0.910B	0.900B	2.50 B	21.0	8.79	2.15	1.09	2.07	2.50	19.3	14.8	6.00B
19	1.05 B	0.880B	3.50 B	20.9	12.8	2.44	1.06	1.93	1.88	24.1	12.3	6.96B
20	1.20 B	0.860B	4.60 B	21.5	9.77	2.77	1.26	1.76	1.67	34.8	11.4	7.60B
21	1.38 B	0.850B	5.20 B	30.4	8.01	2.91	1.29	1.48	1.91	21.8	9.94	6.80B
22	1.45 B	0.900B	5.20 B	35.7	11.4	2.93	1.14	1.34	1.84	17.4	8.91	6.30B
23	1.35 B	1.04 B	5.00 B	38.9	33.4	3.19	1.15	1.25	8.97	17.0	8.74	6.00B
24	1.25 B	1.00 B	4.60 B	37.4	30.2	5.19	5.14	1.18	22.8	34.5	10.1	9.40B
25	1.40 B	0.980B	4.40 B	39.0	18.5	8.48	6.44	1.11	11.1	96.5	16.7	7.80B
26	1.60 B	0.950B	4.24 B	36.3	13.9	5.23	4.87	1.04	6.63	55.3	13.8	7.00B
27	1.90 B	0.935B	3.90 B	50.4	11.5	3.44	3.03	1.44	4.67	31.6	11.5	6.50B
28	2.05 B	0.900B	3.90 B	65.3	10.0	3.17	3.47	3.24	3.54	22.6	11.0	6.00B
29	2.00 B		3.30 B	56.6	8.80	2.85	2.80	3.27	3.18	20.5	16.5	6.20B
30	1.80 B		3.10 B	42.9	9.38	2.29	2.06	3.01	3.16	18.4	18.6	6.60B
31	1.70 B		2.90 B		7.66		1.59	2.24		15.5		7.00B
TOTAL	39.590	29.235	71.853	682.72	539.16	114.55	66.71	68.39	102.71	760.74	370.58	247.74
MEAN	1.28	1.04	2.32	22.8	17.4	3.82	2.15	2.21	3.42	24.5	12.4	7.99
MAX	2.05	1.62	5.20	65.3	48.9	8.48	6.44	9.83	22.8	96.5	19.6	14.6
MIN	0.900	0.850	0.720	2.90	7.66	2.15	1.06	1.02	1.03	3.75	8.08	6.00

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 8.48
MAXIMUM DAILY, 96.5 ON OCT 25
MINIMUM DAILY, 0.720B ON MAR 10
MAXIMUM INSTANTANEOUS,
109 AT 10:48 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 14 46 N
LONG 067 55 16 W
DRAINAGE AREA, 339 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 420	JUL	5 760
FEB	2 530	AUG	5 910
MAR	6 210	SEP	8 870
APR	59 000	OCT	65 700
MAY	46 600	NOV	32 000
JUN	9 900	DEC	21 400

TOTAL DISCHARGE, 267 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "GRAND RIVER AT VIOLETTE BRIDGE" TO 1985

NEW BRUNSWICK

GREEN RIVER NEAR RIVIERE-VERTE - STATION NO. 01AF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.99B	5.02B	10.3 B	5.92B	174	38.5	15.4	6.16	7.74E	17.3E	47.1	23.2	1
2	7.20B	5.75B	8.54B	5.75B	242	31.0	15.2	5.85	7.93E	14.6E	38.1	32.5	2
3	5.56B	4.86B	10.7 B	6.10B	274	28.4	15.9	5.77	6.46E	15.4E	37.3	29.9	3
4	6.46B	4.66B	7.39B	7.20B	205	28.5	18.0	5.72	6.64E	14.6E	35.6	28.4	4
5	6.46B	5.87B	6.59B	8.85B	153	28.2	17.3	4.06	6.46E	15.8E	38.3	27.6	5
6	6.10B	5.20B	7.56B	12.4 B	125	27.5	18.0	6.48	6.83E	16.0E	32.2	30.9	6
7	7.14B	5.08B	6.10B	13.7 B	106	26.8	20.5	5.53	6.10E	15.8E	29.9	31.2	7
8	6.79B	4.48B	9.44B	13.9 B	92.3	27.0	18.1	5.65	6.83E	20.2E	32.3	27.2	8
9	5.75B	5.02B	10.5 B	12.6 B	83.3	27.2	17.1	4.72	6.83E	27.0E	26.3	28.7	9
10	5.75B	5.38B	9.26B	15.9 B	76.5	27.0	17.6	5.18	6.46E	41.3E	24.0	24.4	10
11	5.75B	5.02B	7.56B	13.5 B	78.9	20.7	17.5	4.93	5.16E	52.6A	31.2	23.3	11
12	5.75B	4.66B	7.20B	12.1 B	70.3	15.7	17.0	5.74	5.75E	45.3A	27.7	16.0B	12
13	6.44B	4.85B	5.87B	11.3 B	66.4	15.7	14.9	6.03	3.95E	39.7	24.6	22.5B	13
14	7.14B	5.38B	12.1 B	13.1 B	61.2	16.1	15.2	13.9	6.10E	58.9	26.7	21.0B	14
15	5.75B	5.38B	10.2 B	13.9 B	54.1	16.3	13.1	15.4	6.46E	64.6	22.5	13.8	15
16	5.26B	4.01B	7.93B	13.7 B	53.3	23.3	14.2	9.43	6.83E	63.9	22.1	14.0B	16
17	5.02B	5.02B	8.79B	14.9 B	39.3	16.2	11.1	8.78	7.20E	54.8	23.8	17.6B	17
18	5.20B	5.02B	7.93B	15.7 B	39.0	15.9	11.6	7.54	6.10E	49.6	24.6	19.7	18
19	5.87B	4.64B	7.50B	16.9 B	40.4	18.7	10.1	7.94	6.39E	52.3	24.4	21.4	19
20	6.30B	5.46B	8.30B	17.1 B	34.9	19.8	10.4	9.61	5.20E	51.2	20.6	18.0B	20
21	6.30B	5.46B	15.4 B	22.6 B	36.0	19.1	7.77	6.73	5.58E	39.8	24.5	11.9B	21
22	6.10B	5.38B	8.66B	41.0	44.6	13.8	8.80	7.38	6.46E	46.6	20.4	18.2	22
23	5.02B	5.75B	9.41B	49.4	61.7	16.5	9.72	6.83	12.1 E	40.3	17.4	20.9	23
24	5.38B	7.93B	7.93B	63.4	71.9	15.3	10.8	6.88	15.4 E	63.6	22.4	20.3B	24
25	5.02B	7.20B	7.20B	77.7	76.2	20.0	9.59	6.74	10.2 E	104	22.5	18.5B	25
26	6.46B	7.20B	8.66B	83.1	70.5	17.5	8.58	6.48	11.5 E	105	20.2	18.1	26
27	6.09B	5.75B	6.46B	117	63.1	18.3	8.18	6.47	10.2 E	90.8	20.5	17.5B	27
28	6.72B	6.46B	5.38B	195	58.4	19.7	7.65	13.9	9.59E	76.5	19.7	19.5B	28
29	7.01B		4.60B	216	50.9	17.1	7.09	10.5	9.41E	70.9	19.9	24.4B	29
30	4.31B		5.38B	177	47.6	15.6	7.03	8.92E	9.77E	59.1	28.6	19.0B	30
31	4.66B		6.10B		39.2		5.94	6.10E		55.5		18.1B	31
TOTAL	186.75	151.69	254.94	1 286.72	2 689.0	617.4	399.35	231.35	227.63	1 493.0	805.4	677.0	TOTAL
MEAN	6.02	5.42	8.22	42.9	86.7	20.6	12.9	7.46	7.59	48.2	26.8	21.8	MEAN
MAX	7.99	7.93	15.4	216	274	38.5	20.5	15.4	15.4	105	47.1	32.2	MAX
MIN	4.31	4.01	4.60	5.75	34.9	13.8	5.94	4.06	3.95	14.6	17.4	11.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.7
MAXIMUM DAILY, 274 ON MAY 03
MINIMUM DAILY, 3.95E ON SEP 13
MAXIMUM INSTANTANEOUS,
298 AT 08:18 AST ON MAY 03

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 20 06 N
LONG 068 08 06 W
DRAINAGE AREA, 1 150 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1962

MONTHLY TOTAL LISCHARGE IN CUBIC DECAMETRES

JAN	16 100	JUL	34 500
FEB	13 100	AUG	20 000
MAR	22 000	SEP	19 700
APR	111 000	OCT	129 000
MAY	232 000	NOV	69 600
JUN	53 300	DEC	58 500

TOTAL DISCHARGE, 779 000 dam³

HAYDEN BROOK NEAR NARROWS MOUNTAIN - STATION NO. 01AL003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.073	0.069	0.045	0.084	0.804	0.222	0.058	0.107	0.072	0.182	0.220	0.320E	1
2	0.071	0.063	0.043	0.088	0.863	0.189	0.058	0.107	0.063	0.122	0.206	0.300E	2
3	0.048	0.060	0.042	0.093	0.550	0.171	0.054	0.061	0.056	0.095	0.196	0.280E	3
4	0.045	0.059	0.039	0.615	0.426	0.179	0.053	0.046	0.052	0.086	0.185	0.600E	4
5	0.053	0.059	0.038	0.565	0.375	0.194	0.051	0.041	0.051	0.198	0.186	1.00 E	5
6	0.044	0.059	0.037	0.331	0.390	0.157	0.043	0.040	0.052	0.154	0.171	0.500B	6
7	0.041	0.061	0.036	0.272	0.311	0.144	0.045	0.040	0.069	0.118	0.173A	0.330B	7
8	0.039	0.058	0.036	0.229	0.262	0.140	0.046	0.039	0.077	0.107	0.158E	0.270B	8
9	0.039	0.056	0.036	0.214	0.233	0.128	0.060	0.040	0.052	0.135	0.135E	0.245B	9
10	0.038	0.065	0.035	0.218	0.213	0.123	0.056	0.037	0.048	0.189	0.210E	0.229B	10
11	0.038	0.062	0.044	0.212	0.607	0.114	0.043	1.24	0.049	0.147	1.08 E	0.215B	11
12	0.037	0.057	0.049	0.200	0.356	0.099	0.039	0.891	0.043	0.146	0.700E	0.220B	12
13	0.036	0.052	0.048	0.184	0.255	0.088	0.036	0.305	0.043	0.155	0.360E	0.190B	13
14	0.034	0.053	0.049	0.185	0.272	0.081	0.034	0.436	0.040	0.679	0.250E	0.265B	14
15	0.033	0.051	0.047	0.386	0.220	0.073	0.032	0.291	0.247	0.378	0.233E	0.210B	15
16	0.032	0.051	0.045	0.892	0.210	0.066	0.032	0.212	0.295	0.260	0.222E	0.173B	16
17	0.032	0.050	0.068	0.721	0.194	0.065	0.032	0.181	0.106	0.224	0.420E	0.161	17
18	0.146	0.048	0.450B	0.731	0.415	0.122	0.030	0.165	0.072	0.212	0.350E	0.179	18
19	0.134	0.045	0.200	0.529	0.318	0.132	0.029	0.202	0.061	0.423	0.285E	0.363	19
20	0.058	0.045	0.118	0.621	0.244	0.096	0.029	0.156	0.056	0.313	0.330E	0.288	20
21	0.047	0.042	0.103	1.00	0.215	0.082	0.030	0.136	0.054	0.241	0.245E	0.380B	21
22	0.040	0.044	0.096	0.857	0.374	0.190	0.028	0.124	0.049	0.227	0.226E	0.530B	22
23	0.040	0.077	0.119	0.778	0.499	0.116	0.079	0.116	0.291	0.217	0.219E	0.640B	23
24	0.041	0.060	0.131B	0.812	0.398	0.380	0.111	0.108	0.173	1.98	0.410E	0.728	24
25	0.039	0.050	0.102B	0.788	0.298	0.180	0.584	0.099	0.104	0.980	0.520E	0.584	25
26	0.148	0.046	0.096B	1.07	0.254	0.115	0.373	0.093	0.082	0.587	0.350E	0.500B	26
27	0.330B	0.041	0.085B	1.99	0.231	0.086	0.123	0.092	0.070	0.436	0.290E	0.460B	27
28	0.105	0.046	0.092	1.50	0.213	0.080	0.091	0.154	0.068	0.335	0.480E	0.435B	28
29	0.083		0.084	0.956	0.194	0.067	0.129	0.145	0.062	0.299	0.640E	0.426	29
30	0.064		0.081	0.837	0.416	0.063	0.070	0.104	0.065	0.263	0.450E	0.560B	30
31	0.075		0.083		0.317		0.054	0.081		0.245		0.500B	31
TOTAL	2.083	1.529	2.577	17.958	10.927	3.942	2.532	5.889	2.622	10.133	9.900	12.081	TOTAL
MEAN	0.067	0.055	0.083	0.599	0.353	0.131	0.082	0.190	0.087	0.327	0.330	0.390	MEAN
MAX	0.330	0.077	0.450	1.99	0.863	0.380	0.584	1.24	0.295	1.98	1.08	1.00	MAX
MIN	0.032	0.041	0.035	0.084	0.194	0.063	0.028	0.037	0.040	0.086	0.135	0.161	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.225
MAXIMUM DAILY, 1.99 ON APR 27
MINIMUM DAILY, 0.028 ON JUL 22
MAXIMUM INSTANTANEOUS,
6.10 AT 19:29 AST ON AUG 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 56 N
LONG 067 02 13 W
DRAINAGE AREA, 6.48 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	180	JUL	219
FEB	132	AUG	509
MAR	223	SEP	227
APR	1 550	OCT	875
MAY	944	NOV	855
JUN	341	DEC	1 040

TOTAL DISCHARGE, 7 100 dam³

NEW BRUNSWICK

JACQUET RIVER NEAR DURHAM CENTRE - STATION NO. 01BJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.34B	2.04B	1.21B	2.70B	88.0	11.5	3.00	3.54	3.17	1.96	15.0	19.7
2	1.32B	1.98B	1.21B	2.70B	113	10.1	2.84	3.53	3.01	2.12	13.1	17.8
3	1.30B	1.92B	1.20B	2.65B	75.7	8.99	2.61	3.37	2.73	2.06	11.8	14.8
4	1.29B	1.88B	1.20B	2.65B	48.7	8.12	2.62	3.02	2.58	2.03	11.5	13.7
5	1.28B	1.84B	1.19B	2.80B	37.9	7.47	2.53	2.59	2.47	2.02	11.8	16.0
6	1.27B	1.80B	1.19B	4.80B	35.4	7.13	2.36	2.46	2.38	1.98	11.3	15.0
7	1.25B	1.76B	1.18B	6.60B	35.2	6.54	2.27	2.33	2.52	2.16	11.2	14.6
8	1.24B	1.72B	1.18B	6.70B	30.0	6.06	2.07	2.25	2.96	2.96	10.0	13.8
9	1.22B	1.68B	1.17B	6.30B	26.2	5.64	2.04	2.16	2.71	4.47	9.04	12.9
10	1.20B	1.64B	1.20B	6.20B	24.0	5.15	2.07	2.06	2.37	8.81	8.43	10.7
11	1.18B	1.61B	1.28B	6.10B	22.0	4.69	2.12	2.54	2.24	8.31	15.6	11.3 B
12	1.17B	1.58B	1.34B	6.00B	20.0	4.36	2.01	9.43	2.11	7.28	20.3	10.4 B
13	1.15B	1.56B	1.44B	5.80B	17.3	4.21	1.88	8.58	2.00	9.25	16.5	9.50B
14	1.14B	1.53B	1.51B	5.60B	14.9	4.00	1.68	26.6	1.94	24.0	14.3	8.80B
15	1.13B	1.50B	1.54B	9.00B	13.0	3.70	1.59	29.5	1.95	26.2	13.0	8.00B
16	1.12B	1.48B	1.52B	20.5 B	12.0	3.52	1.68	18.3	2.42	19.5	12.1	7.60B
17	1.11B	1.45B	1.50B	37.4 B	11.1	3.32	1.84	13.1	2.55	15.5	14.7	7.20B
18	1.28B	1.42B	1.90B	30.6	12.4	3.18	1.68	10.9	2.30	13.7	17.1	6.70B
19	1.40B	1.40B	2.95B	26.4	15.8	3.10	1.63	10.3	2.19	13.7	16.6	7.70B
20	1.50B	1.38B	2.90B	26.3	21.7	3.41	1.64	8.82	2.14	14.9	29.2	7.40B
21	1.62B	1.36B	2.80B	43.6	23.7	3.62	1.56	7.52	2.11	13.1	26.9	7.00B
22	1.77B	1.34B	2.85B	53.8	36.0	3.48	1.41	6.59	2.04	11.6	22.8	6.70B
23	1.91B	1.32B	2.90B	51.1	42.1	3.62	1.46	5.85	2.20	10.9	20.9	7.00B
24	1.99B	1.30B	3.30B	58.7	31.2	4.54	1.22	5.17	2.88	45.3	20.6	7.40B
25	2.01B	1.28B	3.25B	57.1	24.5	5.76	7.15	4.69	2.81	115	22.8	7.20B
26	2.12B	1.26B	3.20B	56.3	20.6	4.67	9.35	4.31	2.54	51.4	21.6	6.80B
27	2.32B	1.24B	3.10B	100	17.8	3.94	6.56	3.99	2.26	34.8	19.2	6.40B
28	2.28B	1.22B	3.00B	138	15.5	3.75	5.10	4.03	2.10	27.4	17.9	6.20B
29	2.22B		2.92B	82.3	13.1	3.50	4.24	4.04	2.06	23.4	19.3	5.85B
30	2.16B		2.85B	62.7	13.0	3.19	3.85	3.77	1.96	20.0	23.1	6.10B
31	2.10B		2.75B		13.3		3.60	3.47		17.5		6.50B
TOTAL	47.39	43.49	62.73	921.40	925.1	154.26	89.62	218.81	71.70	553.31	497.67	306.75
MEAN	1.53	1.55	2.02	30.7	29.8	5.14	2.89	7.06	2.39	17.8	16.6	9.90
MAX	2.32	2.04	3.30	138	113	11.5	9.35	29.5	3.17	115	29.2	19.7
MIN	1.11	1.22	1.17	2.65	11.1	3.10	1.41	2.06	1.94	1.96	8.43	5.85

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.7
MAXIMUM DAILY, 138 ON APR 28
MINIMUM DAILY, 1.11B ON JAN 17
MAXIMUM INSTANTANEOUS,
173 AT 01:08 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 53 52 N
LONG 066 01 47 W
DRAINAGE AREA, 510 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 090	JUL	7 740
FEB	3 760	AUG	18 900
MAR	5 420	SEP	6 190
APR	79 600	OCT	47 800
MAY	79 900	NOV	43 000
JUN	13 300	DEC	26 500

TOTAL DISCHARGE, 336 000 da

JEMSEG RIVER AT JEMSEG - STATION NO. 01AO004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.036	1.776	1.283	2.359	3.871	2.669	1.561	1.382	1.102	1.066	2.851	2.224
2	1.030	1.764	1.281	2.310	3.855	2.567	1.446	1.419	1.066	1.107	2.820	2.296
3	1.032	1.697	1.273	2.293	3.768	2.451	1.365	1.405	1.041	1.198	2.778	2.316
4	1.032	1.636	1.236	2.286	3.683	2.336	1.321	1.361	1.000	1.269	2.686	2.311
5	1.048	1.592	1.211	2.494	3.555	2.226	1.282	1.310	1.010	1.400	2.569	2.484
6	1.051	1.564	1.180	2.722	3.447	2.112	1.232	1.261	1.033	1.475	2.532	2.648
7	1.051	1.534	1.146	2.794	3.343	2.017	1.194	1.247	1.068	1.547	2.532	2.680
8	1.064	1.516	1.157	2.852	3.249	1.945	1.142	1.207	1.095	1.560	2.508	2.627
9	1.102	1.516	1.164	2.863	3.138	1.853	1.120	1.180	1.081	1.565	2.429	2.542
10	1.139	1.570	1.156	2.862	2.987	1.769	1.140	1.149	1.077	1.606	2.319	2.467
11	1.187	1.648	1.143	2.823	2.866	1.650	1.139	1.130	1.058	1.636	2.274	2.381
12	1.228	1.696	1.129	2.820	2.799	1.574	1.128	1.230	1.024	1.693	2.396	2.241
13	1.267	1.726	1.125	2.820	2.679	1.538	1.129	1.370	1.005	1.745	2.411	2.128
14	1.280	1.713	1.124	2.796	2.644	1.539	1.092	1.434	0.983	1.831	2.362	2.036
15	1.270	1.642	1.136	2.748	2.603	1.551	1.060	1.514	0.994	1.936	2.307	1.948
16	1.262	1.591	1.165	2.745	2.533	1.522	1.044	1.597	1.046	2.050	2.253	1.908
17	1.239	1.530	1.246	2.840	2.426	1.474	1.046	1.654	1.073	2.145	2.220	1.852
18	1.233	1.431	1.420	2.942	2.354	1.449	1.037	1.665	1.074	2.212	2.194	1.839
19	1.214	1.331	1.583	2.912	2.342	1.445	1.067	1.647	1.075	2.272	2.182	1.922
20	1.163	1.259	1.662	2.907	2.311	1.420	1.050	1.614	1.105	2.344	2.260	2.002
21	1.116	1.203	1.741	2.907	2.282	1.408	1.049	1.599	1.109	2.303	2.354	2.080
22	1.101	1.144	1.861	2.954	2.294	1.437	1.044	1.577	1.083	2.290	2.313	2.117
23	1.099	1.120	1.981	3.011	2.461	1.492	1.051	1.552	1.094	2.270	2.256	2.202
24	1.087	1.144	2.083	3.064	2.683	1.571	1.063	1.490	1.133	2.289	2.217	2.418
25	1.092	1.172	2.165	3.111	2.834	1.636	1.195	1.430	1.174	2.504	2.186	2.748
26	1.155	1.199	2.276	3.241	2.930	1.692	1.404	1.352	1.181	2.804	2.218	2.843
27	1.262	1.248	2.345	3.297	2.936	1.719	1.545	1.288	1.167	2.953	2.181	2.784
28	1.456A	1.289	2.374	3.341	2.879	1.737	1.558	1.240	1.136	3.004	2.152	2.711
29	1.594A		2.368	3.366	2.784	1.695	1.524	1.207	1.102	3.013	2.149	2.680
30	1.704		2.345	3.803	2.717	1.662	1.465	1.186	1.070	2.930	2.166	2.618
31	1.766		2.358		2.709		1.391	1.156		2.888		2.628
MEAN	1.205	1.473	1.572	2.896	2.902	1.772	1.222	1.382	1.075	2.029	2.369	2.345
MAX	1.766	1.776	2.374	3.803	3.871	2.669	1.561	1.665	1.181	3.013	2.851	2.843
MIN	1.030	1.120	1.124	2.286	2.282	1.408	1.037	1.130	0.983	1.066	2.149	1.839

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 1.855
MAXIMUM DAILY, 3.871 ON MAY 01
MINIMUM DAILY, 0.983 ON SEP 14
MAXIMUM INSTANTANEOUS,
3.881 AT 18:27 AST ON MAY 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 49 46 N
LONG 066 06 58 W

A - MANUAL GAUG

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

KENNEBECASIS RIVER AT APOHAQUI - STATION NO. 01AP004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.75B	43.0B	16.2B	30.3	25.9	66.0	6.25	42.2	4.16	5.19	30.0	34.4	1
2	6.35B	35.5B	15.4B	36.4	25.3	50.4	5.92	58.2 A	4.07	6.36	25.0	31.6	2
3	6.80B	33.2B	14.8B	43.9	23.1	42.3	5.59	24.2 A	5.45	8.85	23.6	28.4	3
4	7.15B	31.0B	14.1B	84.4	20.7	37.6	5.58	17.0 E	4.83	6.80	21.9	27.9	4
5	7.60B	28.9B	13.4B	154	19.6	34.1	5.64	10.0 E	4.41	15.6	19.4	121	5
6	8.10B	27.0B	13.0B	106	26.5	29.8	5.28	7.20E	4.26	15.2	22.7	78.9	6
7	7.00B	25.8B	12.2B	80.4	27.3	25.9	5.08	6.40E	4.32	10.1	60.4	61.4	7
8	6.42B	24.2B	11.9B	66.9	22.2	23.5	4.87	6.40E	9.63	7.75	40.5	52.4	8
9	6.02B	23.0B	11.3B	57.3	20.7	20.9	4.73	6.30E	6.60	7.10	28.8	54.2	9
10	5.80B	48.0B	11.1B	51.1	19.7	19.0	4.81	6.20E	5.13	13.1	24.2	47.5	10
11	7.40B	84.0B	11.0B	112	30.5	17.8	4.29	5.90E	4.68	13.0	40.9	36.5B	11
12	6.95B	76.3	20.0B	131	37.4	16.3	4.19	67.0 E	4.33	10.3	40.7	33.8B	12
13	6.25B	57.3	24.0B	84.3	28.7	14.8	4.05	39.0 E	4.13	9.77	31.2	32.3B	13
14	5.90B	42.6	20.4B	66.4	115	13.4	3.97	9.83A	4.03	25.6	26.5	48.8	14
15	5.60B	34.8B	18.8B	59.6	106	12.5	3.89	8.38	4.02	60.5	23.6	36.4	15
16	6.60B	30.0B	16.9B	62.0	73.8	11.7	3.70	7.22	3.90	30.4	22.1	41.4	16
17	9.59B	26.5B	20.0B	62.2	60.4	10.8	3.65	6.19	3.81	19.8	20.8	63.7	17
18	12.2 B	23.5B	39.0B	85.8	75.8	10.1	3.42	5.59	3.73	15.8	33.5	55.5	18
19	13.9 B	21.2B	119	71.7	82.5	8.71	3.42	9.15	3.67	16.5	61.4	151	19
20	11.6 B	19.0B	82.4	59.2	63.6	9.56	3.42	8.18	4.24	18.0	93.6	110	20
21	10.2 B	17.0B	81.8	62.4	52.2	10.4	3.41	6.32	12.2	14.6	75.3	76.0	21
22	8.50B	15.8B	71.1	67.7	60.5	11.9	3.88	5.61	7.34	12.8	60.5	119	22
23	7.40B	23.7B	72.8	57.2	130	11.3	3.50	5.14	9.39	11.9	56.4	149	23
24	6.70B	22.2B	89.1	48.4	132	12.3	4.11	4.78	16.1	27.6	55.7	186	24
25	6.00B	21.0B	68.5	42.4	91.5	12.4	116	4.59	9.41	49.2	63.0	245	25
26	30.0 B	19.8B	55.0	38.5	70.4	9.53	92.4	4.43	6.80	31.5	61.0	149	26
27	252	18.4B	46.6	35.8	58.7	7.89	42.3	4.36	5.63	26.6	52.1	95.4	27
28	154	17.9B	37.2	33.7	50.5	7.34	19.7	4.31	5.13	22.2	48.1	81.6	28
29	100		34.7	30.2	42.6	7.29	13.1	4.52	5.03	27.6	44.2	75.7	29
30	69.1		29.0	28.0	66.5	6.55	9.17	4.62	4.76	53.9	39.8	68.2	30
31	53.6		28.6		88.4		7.15	4.32		40.4		73.7	31
TOTAL	850.48	890.6	1 119.3	1 949.2	1 750.0	572.07	405.87	403.54	175.19	635.32	1 247.6	2 465.7	TOTAL
MEAN	27.4	31.8	36.1	65.0	56.5	19.1	13.1	13.0	5.84	20.5	41.6	79.5	MEAN
MAX	252	84.0	119	154	132	66.0	116	67.0	16.1	60.5	93.6	245	MAX
MIN	5.60	15.8	11.0	28.0	19.6	6.55	3.28	4.31	3.67	5.19	19.4	27.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 34.2
MAXIMUM DAILY, 252 ON JAN 27
MINIMUM DAILY, 3.28 ON JUL 22
MAXIMUM INSTANTANEOUS,
295 AT 02:02 AST ON DEC 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 42 07 N
LONG 065 36 05 W
DRAINAGE AREA, 1 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	73 500	JUL	35 100
FEB	76 900	AUG	34 900
MAR	96 700	SEP	15 100
APR	168 000	OCT	54 900
MAY	151 000	NOV	108 000
JUN	49 400	DEC	213 000

TOTAL DISCHARGE, 1 080 000 dam³

KINNEAR RIVER NEAR HAUTE-ABOUJAGANE - STATION NO. 01BT001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.210B	0.470B	0.160B	0.440B	0.355	2.39	0.011	0.663	0.023	0.132	1.15	0.430	1
2	0.400B	0.440B	0.190B	1.50 B	0.313	1.22	0.011	5.77	0.019	0.124	0.728	0.378	2
3	0.600B	0.400B	0.210B	3.50 B	0.285	0.777	0.012	3.42	0.577	0.213	0.571	0.333	3
4	0.640B	0.350B	0.250B	6.00 B	0.248	0.589	0.014	1.09	0.298	0.224	0.524	0.374	4
5	0.680B	0.305B	0.215B	8.80 B	0.224	0.491	0.018	0.450	0.167	0.247	0.465	8.06	5
6	0.670B	0.275B	0.185B	4.50 B	2.41	0.358	0.018	0.215	0.104	0.302	1.79	4.15	6
7	0.640B	0.250B	0.165B	3.30 B	3.48	0.276	0.015	0.158	0.079	0.221	8.69	1.59	7
8	0.615B	0.230B	0.145B	2.80 B	1.81	0.243	0.015	0.078	0.752	0.180	3.88	0.947B	8
9	0.585B	0.330B	0.130B	2.50 B	1.05	0.240	0.020	0.052	0.470	0.191	1.60	0.853B	9
10	0.560B	0.800B	0.140B	2.70 B	0.730	0.210	0.021	0.037	0.268	0.575	0.974	0.762B	10
11	0.540B	1.25 B	0.170B	5.80 B	0.573	0.175	0.017	0.035	0.185	0.531	0.879	0.681B	11
12	0.520B	0.850B	0.210B	7.30 B	0.479	0.152	0.014	2.97	0.129	0.370	0.768	0.603B	12
13	0.500B	0.700B	0.252B	3.50 B	0.372	0.111	0.014	4.31	0.083	0.303	0.546	0.545B	13
14	0.487B	0.600B	0.240B	2.90 B	7.79	0.082	0.011	1.28	0.053	0.276	0.412	0.477B	14
15	0.468B	0.500B	0.220B	2.80 B	6.62	0.067	0.011	0.595	0.048	0.323	0.355	0.330B	15
16	0.450B	0.430B	0.300B	7.62	2.40	0.049	0.012	0.309	0.104	0.292	0.326	0.545B	16
17	0.430B	0.380B	0.400B	5.59	1.55	0.042	0.012	0.192	0.117	0.235	0.306	1.35 B	17
18	0.600B	0.320B	1.50 B	4.30	2.85	0.030	0.011	0.116	0.083	0.204	1.06	0.662B	18
19	0.760B	0.295B	2.00 B	2.46	4.93	0.028	0.018	0.611	0.049	0.203	8.55	2.28 B	19
20	0.630B	0.275B	1.50 B	1.55	1.93	0.024	0.048	0.598	0.093	0.243	9.00	0.820B	20
21	0.570B	0.250B	1.70 B	1.45	1.36	0.022	0.032	0.292	1.92	0.238	4.76	0.463B	21
22	0.510B	0.310B	1.35 B	1.56	1.74	0.035	0.022	0.184	1.32	0.202	3.28	1.93 B	22
23	0.450B	0.350B	1.55 B	1.22	11.6	0.054	0.020	0.108	1.10	0.177	1.97	2.66 B	23
24	0.400B	0.402B	1.20 B	0.977	8.52	0.076	0.051	0.086	1.89	0.510	1.61	3.57 B	24
25	0.350B	0.335B	0.900B	0.780	2.90	0.084	0.208	0.046	0.973	1.18	1.78	4.68 B	25
26	0.900B	0.270B	0.720B	0.663	1.43	0.049	0.160	0.043	0.517	0.876	1.29	1.93 B	26
27	1.90 B	0.235B	0.620B	0.598	0.917	0.030	0.207	0.035	0.326	0.771	0.881	0.954B	27
28	1.40 B	0.199B	0.550B	0.618	0.674	0.022	0.114	0.030	0.229	0.729	0.730	0.662B	28
29	0.900B		0.510B	0.525	0.503	0.022	0.053	0.027	0.174	1.01	0.653	0.603B	29
30	0.600B		0.470B	0.412	5.01	0.018	0.032	0.028	0.151	2.40	0.565	0.551B	30
31	0.490B		0.440B		6.91		0.022	0.027		1.88		0.500B	31
TOTAL	19.455	11.801	18.582	88.663	78.961	7.966	1.244	23.855	12.301	15.362	60.093	44.666	TOTAL
MEAN	0.628	0.422	0.599	2.96	2.55	0.266	0.040	0.770	0.410	0.496	2.00	1.44	MEAN
MAX	1.90	1.25	2.00	8.80	11.6	2.39	0.208	5.77	1.92	2.40	9.00	8.06	MAX
MIN	0.210	0.199	0.130	0.412	0.224	0.018	0.011	0.027	0.019	0.124	0.306	0.330	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 11.6 ON MAY 23
MINIMUM DAILY, 0.011 ON JUL 01
MAXIMUM INSTANTANEOUS,
14.8E AT 19:00 AST ON MAY 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 09 10 N
LONG 064 23 06 W
DRAINAGE AREA, 32.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 680	JUL	107
FEB	1 020	AUG	2 060
MAR	1 610	SEP	1 060
APR	7 660	OCT	1 330
MAY	6 820	NOV	5 190
JUN	688	DEC	3 860

TOTAL DISCHARGE, 33 100 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 12.2 IS DUE TO CURVE EXTENSION

NEW BRUNSWICK

KOUCHIBOUGUAC RIVER NEAR VAUTOUR - STATION NO. 01BR001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.820B	2.80B	1.37B	3.76	9.94	8.74	1.34	4.02	0.773	0.638	1.65	6.75	1
2	1.00 B	2.58B	1.32B	3.92	9.62	6.68	1.27	5.03	0.758	0.652	1.45	5.66	2
3	1.65 B	2.45B	1.28B	4.61	8.25	5.50	1.18	3.97	0.678	0.612	1.40	4.83	3
4	1.40 B	2.33B	1.26B	8.78	7.11	4.80	1.38	2.66	0.669	0.580	1.41	4.06	4
5	1.50 B	2.25B	1.23B	18.4	6.42	4.36	1.34	2.09	0.666	0.705	1.44	11.8	5
6	1.72 B	2.15B	1.20B	18.1	10.1	3.78	1.12	1.66	0.717	0.764	1.36B	10.8	6
7	1.50 B	2.05B	1.18B	15.9	11.8	3.57	1.05	1.39	0.739	0.667	2.03B	8.21	7
8	1.40 B	1.99B	1.17B	12.5	9.84	3.10	1.01	1.52	0.973	0.632	1.94	6.67	8
9	1.30 B	1.92B	1.16B	10.6	7.22	3.21	0.922	2.07	0.801	0.735	1.84	5.94	9
10	1.25 B	2.03B	1.15B	9.96	6.19	2.88	0.980	1.54	0.700	1.25	1.72	5.35	10
11	1.20 B	2.20B	1.13B	7.57	6.61	2.63	0.967	1.49	0.658	1.22	5.90	4.29	11
12	1.16 B	2.00B	1.11B	7.61	7.16	2.42	0.878	2.29	0.686	1.10	7.97	3.68	12
13	1.12 B	1.89B	1.09B	6.77	5.79	2.14	0.805	2.04	0.628	1.07	5.44	3.94	13
14	1.09 B	1.81B	1.08B	6.80	7.14	1.95	0.757	1.56	0.609	1.03	3.86	3.97	14
15	1.06 B	1.77B	1.07B	9.44	6.28	1.73	0.724	1.43	0.587	1.05	3.25	3.12	15
16	1.03 B	1.72B	1.06B	24.9	6.03	1.67	0.716	1.18	0.603	1.05	2.90	3.44	16
17	1.01 B	1.68B	1.40B	30.2	5.48	1.58	0.666	1.10	0.547	0.901	2.91	5.09	17
18	1.20 B	1.62B	5.00B	31.1	9.01	1.43	0.618	1.05	0.556	0.839	4.25	4.65	18
19	1.50 B	1.58B	7.98	21.4	11.3	1.81	0.629	4.99	0.546	0.822	4.46	9.78	19
20	2.20 B	1.53B	7.40B	18.6	9.20	2.58	0.838	3.41	0.574	0.798	7.30	7.87	20
21	1.70 B	1.49B	6.37	25.5	8.84	3.34	0.737	2.15	0.862	0.745	8.05	6.10	21
22	1.48 B	1.52B	6.27	21.3	10.0	2.94	0.675	1.65	0.692	0.667	7.52	12.7	22
23	1.38 B	1.60B	6.50B	18.4	17.9	2.64	0.770	1.38	0.861	0.647	7.79	19.9	23
24	1.30 B	1.70B	13.3	15.3	14.5	4.67	1.86	1.22	1.12	2.29	8.23	26.7	24
25	1.25 B	1.58B	11.2	13.3	9.93	4.24	8.00	1.09	0.934	6.45	10.4	11.8	25
26	1.90 B	1.52B	8.42	12.5	7.70	3.00	11.1	1.02	0.835	4.15	10.1	10.0	26
27	3.00 B	1.47B	7.24	14.0	6.52	2.23	6.99	0.908	0.712	2.96	7.30	7.77	27
28	4.60 B	1.41B	6.71	15.4	5.71	2.02	3.94	0.895	0.670	2.37	7.05	6.40A	28
29	3.85 B		5.51	12.5	5.07	1.81	2.64	0.958	0.671	2.03	9.33	5.71E	29
30	3.45 B		4.81	10.5	9.43	1.53	1.96	0.965	0.665	2.22	8.87	5.10E	30
31	3.10 B		3.98		13.6		1.56	0.850		1.94		4.70E	31
TOTAL	53.120	52.64	120.95	431.62	270.69	95.98	59.422	59.576	21.490	43.584	149.08	236.78	TOTAL
MEAN	1.71	1.88	3.90	14.4	8.73	3.20	1.92	1.92	0.716	1.41	4.97	7.64	MEAN
MAX	4.60	2.80	13.3	31.1	17.9	8.74	11.1	5.03	1.12	6.45	10.4	26.7	MAX
MIN	0.820	1.41	1.06	3.76	5.07	1.43	0.618	0.850	0.546	0.580	1.36	3.12	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.37
MAXIMUM DAILY, 31.1 ON APR 18
MINIMUM DAILY, 0.546 ON SEP 19
MAXIMUM INSTANTANEOUS,
39.4 AT 04:20 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 44 36 N
LONG 065 12 17 W
DRAINAGE AREA, 177 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 590	JUL	5 130
FEB	4 550	AUG	5 150
MAR	10 500	SEP	1 860
APR	37 300	OCT	3 770
MAY	23 400	NOV	12 900
JUN	8 290	DEC	20 500

TOTAL DISCHARGE, 138 000 dam³

LAKE UTOPIA AT CANAL - STATION NO. 01AQ009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	17.401	17.842	17.142	17.521	18.086	18.230	1
2	---	---	---	---	---	---	17.438	17.780	17.137	17.453	17.997	18.271	2
3	---	---	---	---	---	---	17.380	17.702	17.135	17.382	17.932	18.327	3
4	---	---	---	---	---	---	17.259	17.615	17.101	17.313	17.876	18.359	4
5	---	---	---	---	---	---	17.131	17.516	17.060	17.323	17.811	17.955	5
6	---	---	---	---	---	---	17.012	17.403	17.046	17.394	17.770	17.606	6
7	---	---	---	---	---	---	16.987	17.371	17.043	17.491	17.794	17.534	7
8	---	---	---	---	---	18.072	16.993	17.366	17.089	17.518	17.846	17.581	8
9	---	---	---	---	---	18.016	16.967	17.318	17.142	17.448	17.873	17.685	9
10	---	---	---	---	---	17.946	16.918	17.281	17.167	17.471	17.862	17.811	10
11	---	---	---	---	---	17.872	16.862	17.277	17.183	17.506	17.917	17.954	11
12	---	---	---	---	---	17.808	16.805	17.352	17.186	17.532	18.061	18.059	12
13	---	---	---	---	---	17.731	16.748	17.412	17.182	17.567	18.100	---	13
14	---	---	---	---	---	17.630	16.697	17.419	17.162	17.690	18.088	---	14
15	---	---	---	---	---	17.512	16.660	17.431	17.170	17.804	18.132	---	15
16	---	---	---	---	---	17.424	16.646	17.455	17.275	17.828	18.201	---	16
17	---	---	---	---	---	17.430	16.690	17.457	17.438	17.810	18.255	---	17
18	---	---	---	---	---	17.407	16.733	17.459	17.539	17.777	18.304	---	18
19	---	---	---	---	---	17.365	16.769	17.480	17.588	17.738	18.320	---	19
20	---	---	---	---	---	17.348	16.811	17.421	17.612	17.738	18.306	---	20
21	---	---	---	---	---	17.339	16.852	17.371	17.621	17.761	18.288	---	21
22	---	---	---	---	---	17.323	16.890	17.326	17.621	17.768	18.285	---	22
23	---	---	---	---	---	17.314	16.931	17.300	17.671	17.745	18.295	---	23
24	---	---	---	---	---	17.423	16.975	17.297	17.817	17.834	18.305	---	24
25	---	---	---	---	---	17.629	17.184	17.296	17.899	18.263	18.271	---	25
26	---	---	---	---	---	17.713	17.694	17.318	17.883	18.597	18.218	---	26
27	---	---	---	---	---	17.732	18.069	17.314	17.837	18.659	18.179	---	27
28	---	---	---	---	---	17.699	18.197	17.276	17.767	18.564	18.167	---	28
29	---		---	---	---	17.638	18.117	17.242	17.691	18.431	18.183	---	29
30	---		---	---	---	17.557	18.020	17.210	17.600	18.321	18.208	---	30
31	---		---		---		17.918	17.165		18.207		---	31
MEAN	---	---	---	---	---	---	17.156	17.402	17.393	17.789	18.098	---	MEAN
MAX	---	---	---	---	---	---	18.197	17.842	17.899	18.659	18.320	---	MAX
MIN	---	---	---	---	---	---	16.646	17.165	17.043	17.313	17.770	---	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MINIMUM DAILY, 16.646 ON JUL 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 09 37 N
LONG 066 49 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

LEPREAU RIVER AT LEPREAU - STATION NO. 01AQ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.10B	9.20B	4.95B	7.87	5.16	18.1	2.54	7.85	1.26	6.13	10.2	7.21	1
2	2.60B	8.10B	4.78B	8.09	4.79	13.8	2.27	8.82	1.20	6.93	8.42	6.50	2
3	3.45B	7.55B	4.48B	8.95	4.54	11.3	2.04	7.00	1.24	6.95	7.62	6.50	3
4	4.10B	6.95B	4.28B	21.4	4.10	9.25	1.89	5.21	1.56	6.07	7.02	10.0	4
5	5.15B	6.45B	4.08B	35.4	3.84	8.17	1.82	4.21	1.36	7.94	6.33	55.9	5
6	5.80B	5.90B	3.92B	28.9	5.26	7.07	1.62	3.59	1.24	9.35	7.23	36.6	6
7	4.70B	5.50B	3.80B	22.8	5.40	6.05	1.47	3.24	1.36	7.48	13.7	24.4	7
8	4.10B	5.15B	3.69B	18.6	4.55	6.67	1.39	3.03	2.72	6.19	10.7	18.9	8
9	3.70B	5.00B	3.59B	15.3	3.93	6.44	1.37	3.87	2.91	5.56	8.06	17.7	9
10	4.90B	7.00B	3.50B	13.4	3.67	5.64	1.39	3.60	2.24	6.66	6.83	14.7	10
11	5.60B	18.0 B	3.69B	29.7	6.51	4.92	1.23	3.21	1.90	6.93	11.8	8.80B	11
12	5.10B	13.8 B	3.95B	32.2	12.8	4.35	1.11	8.78	1.71	6.05	16.6	7.50B	12
13	4.45B	11.8 B	4.30B	22.3	10.4	3.78	1.04	10.4	1.49	7.61	12.7	7.00B	13
14	4.00B	10.0 B	4.65B	17.8	32.3	3.39	0.935	7.23	1.39	11.1	10.5	6.60B	14
15	3.65B	8.90B	5.20B	15.9	27.2	3.04	0.899	6.12	1.51	13.1	8.95	6.10B	15
16	3.40B	7.80B	6.98B	16.3	18.8	2.84	0.867	4.93	4.99	10.9	7.94	8.20B	16
17	3.20B	7.10B	10.2 B	16.8	14.7	2.57	0.853	4.10	6.32	8.85	7.23	18.9	17
18	6.80B	6.60B	14.8 B	18.3	16.1	2.34	0.792	3.60	4.29	7.65	7.65	14.1	18
19	9.38B	6.10B	29.0 B	16.2	19.2	2.26	0.791	3.43	3.55	7.10	9.68	29.2	19
20	8.60B	5.70B	23.0 B	13.5	15.6	2.36	0.747	2.93	4.00	6.78	12.9	23.5	20
21	7.60B	5.40B	17.8 B	13.5	12.6	2.21	0.737	2.43	8.68	6.03	11.3	18.3	21
22	6.60B	6.10B	15.5 B	15.1	13.3	2.09	0.690	2.25	6.87	5.43	9.03	20.6	22
23	5.70B	6.40B	14.9 B	12.5	20.0	2.05	0.732	2.01	17.2	5.19	8.13	23.7	23
24	4.95B	7.40B	19.0 B	10.6	22.5	3.50	0.780	1.93	24.8	16.4	9.18	31.5	24
25	8.00B	7.20B	18.2 B	9.39	20.6	5.78	12.3	1.71	16.1	37.6	13.2	40.6	25
26	15.0 B	6.60B	16.2 B	8.48	16.4	4.98	19.8	1.60	12.0	25.4	12.8	29.1	26
27	29.0 B	6.10B	13.4 B	7.24	13.3	3.97	16.6	1.43	9.56	18.7	10.9	20.0 B	27
28	19.0 B	5.60B	11.7 B	6.46	11.0	3.33	13.3	1.30	7.92	15.2	9.68	18.0 B	28
29	15.5 B		10.3 B	5.98	9.20	2.86	9.21	1.24	6.82	13.5	9.05	15.8 B	29
30	13.0 B		9.50B	5.49	15.8	2.67	6.67	1.57	6.10	14.3	8.24	14.8	30
31	10.8 B		8.42		24.2		5.45	1.48		12.1		15.4	31
TOTAL	229.93	213.40	301.76	474.45	397.75	157.78	113.333	124.20	164.29	325.18	293.62	575.61	TOTAL
MEAN	7.42	7.62	9.73	15.8	12.8	5.26	3.66	4.01	5.48	10.5	9.79	18.6	MEAN
MAX	29.0	18.0	29.0	35.4	32.3	18.1	19.8	10.4	24.8	37.6	16.6	55.9	MAX
MIN	2.10	5.00	3.50	5.49	3.67	2.05	0.690	1.24	1.20	5.19	6.38	6.00	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.24
MAXIMUM DAILY, 55.9 ON DEC 05
MINIMUM DAILY, 0.690 ON JUL 22
MAXIMUM INSTANTANEOUS,
63.9 AT 11:21 AST ON DEC 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 10 12 N
LONG 066 28 00 W
DRAINAGE AREA, 239 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 900	JUL	9 790
FEB	18 400	AUG	10 700
MAR	26 100	SEP	14 200
APR	41 000	OCT	28 100
MAY	34 400	NOV	25 400
JUN	13 600	DEC	49 700

TOTAL DISCHARGE, 291 000 dam³

LIMESTONE STREAM AT FOUR FALLS - STATION NO. 01AG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.02 B	1.89 B	0.653B	3.24	9.81	2.78	2.05	1.88	1.13	1.75	7.56	7.61	1
2	1.30 B	1.79 B	0.620B	3.57	8.85	2.51	1.91	1.69	1.08	1.78	7.01	7.26	2
3	1.17 B	1.65 B	0.595B	4.55	7.86	2.35	1.75	1.45	1.06	1.78	6.85	6.61	3
4	1.25 B	1.49 B	0.570B	14.7	6.94	2.32	1.96	1.22	1.01	1.56	7.08	6.33	4
5	1.34 B	1.38 B	0.550B	28.2	6.22	2.43	1.82	1.15	0.987	1.91	8.15	9.02	5
6	1.17 B	1.27 B	0.535B	22.6	5.93	2.46	1.57	1.06	0.972	1.81	7.20	8.32	6
7	1.04 B	1.22 B	0.520B	19.3	5.69	2.68	1.44	1.07	1.11	1.71	6.73	7.62	7
8	0.970B	1.15 B	0.515B	16.4	5.09	3.13	1.34	1.04	1.29	1.66	6.13	7.11	8
9	0.890B	1.13 B	0.560B	14.5	4.66	2.55	1.47	1.09	1.06	1.99	5.55	6.49	9
10	0.840B	1.19 B	0.630B	13.8	4.43	2.38	1.56	1.02	0.990	4.80	5.32	6.04	10
11	0.790B	1.25 B	0.740B	12.2	4.68	2.10	1.41	2.54	1.03	4.14	14.1	5.70B	11
12	0.750B	1.16 B	0.900B	10.6	4.72	1.82	1.31	3.71	0.972	5.60	12.8	5.35B	12
13	0.710B	1.08 B	1.35 B	9.39	4.15	1.71	1.22	3.17	0.971	8.99	10.9	5.00B	13
14	0.680B	1.07 B	1.32 B	8.86	3.59	1.55	1.14	4.53	0.891	17.7	9.55	4.75B	14
15	0.650B	1.03 B	1.39 B	9.99	3.16	1.43	1.07	4.09	0.984	14.8	8.62	4.50B	15
16	0.670B	0.960B	1.65 B	14.9	2.92	1.30	1.09	3.09	1.27	12.7	7.93	4.25B	16
17	0.750B	0.920B	2.40 B	16.4	2.77	1.58	1.05	2.78	1.02	10.6	8.57	4.05B	17
18	0.870B	0.870B	3.40 B	15.9	3.39	1.78	0.928	2.54	1.02	9.07	8.79	3.90B	18
19	1.42 B	0.830B	3.00 B	14.2	3.31	3.33	0.971	2.35	1.01	10.6	8.13	4.08B	19
20	1.27 B	0.800B	8.70 B	14.4	3.01	6.00	1.06	2.04	0.928	10.6	7.84	4.50B	20
21	1.12 B	0.770B	7.40 B	18.2	2.74	4.19	1.04	1.86	0.955	8.88	7.11	3.80B	21
22	1.03 B	0.750B	6.60 B	17.8	4.18	3.95	0.927	1.69	0.965	7.90	6.49	3.60B	22
23	0.950B	0.820B	6.00 B	17.1	7.91	4.07	1.19	1.53	2.24	7.36	6.45	7.70B	23
24	0.860B	0.960B	5.50 B	15.7	7.64	5.67	5.92	1.42	2.89	37.7	7.51	7.90B	24
25	0.910B	0.850B	5.10 B	14.9	6.52	5.39	5.90	1.32	2.52	42.2	8.94	7.10B	25
26	1.20 B	0.790B	4.66	13.9	5.45	4.41	5.52	1.18	2.19	24.6	8.00	6.40B	26
27	1.86 B	0.730B	5.05	13.7	4.70	3.47	4.53	1.16	1.91	18.7	7.37	5.80B	27
28	1.75 B	0.690B	5.03	13.6	4.10	2.93	4.09	1.10	1.74	15.2	7.69	5.40B	28
29	1.65 B		4.63	12.6	3.27	2.63	3.06	1.34	1.59	13.0	8.98	5.05B	29
30	1.69 B		4.18	11.2	3.12	2.31	2.40	1.23	1.51	10.9	8.33	4.90B	30
31	1.79 B		3.32		2.93		2.03	1.18		9.33		5.30B	31
TOTAL	34.360	30.490	90.068	416.40	153.74	87.21	64.726	57.52	39.343	321.32	241.68	181.44	TOTAL
MEAN	1.11	1.09	2.91	13.9	4.96	2.91	2.09	1.86	1.31	10.4	8.06	5.85	MEAN
MAX	1.86	1.89	8.70	28.2	9.81	6.00	5.92	4.53	2.89	42.2	14.1	9.02	MAX
MIN	0.650	0.690	0.515	3.24	2.74	1.30	0.927	1.02	0.891	1.56	5.32	3.60	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.71
MAXIMUM DAILY, 42.2 ON OCT 25
MINIMUM DAILY, 0.515B ON MAR 08
MAXIMUM INSTANTANEOUS,
87.7E AT 20:11 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 49 42 N
LONG 067 44 35 W
DRAINAGE AREA, 199 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 970	JUL	5 590
FEB	2 630	AUG	4 970
MAR	7 780	SEP	3 400
APR	36 000	OCT	27 800
MAY	13 300	NOV	20 900
JUN	7 530	DEC	15 700

TOTAL DISCHARGE, 149 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 72.6 IS DUE TO CURVE EXTENSION

LITTLE SOUTHWEST MIRAMICHI RIVER AT LYTTLETON - STATION NO. 01BP001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.60B	21.0 B	8.30B	19.0B	156	52.5	18.5	29.5	22.0	24.1	50.6	51.2
2	7.60B	16.8 B	8.15B	21.5B	191	45.7	17.6	33.2	20.4	30.8	43.0	50.2
3	9.00B	17.2 B	8.05B	25.0B	180	40.2	16.7	29.3	19.3	28.0	42.9	45.4
4	12.2 B	15.8 B	7.89B	30.0B	139	37.0	18.5	26.5	18.0	25.0	43.2	47.6
5	10.8 B	14.4 B	7.80B	35.6B	113	40.0	18.8	25.3	17.4	25.8	43.2	64.1
6	9.60B	13.5 B	7.83B	50.0B	112	36.6	17.3	28.1	17.1	29.3	43.1	69.5
7	9.00B	12.8 B	7.80B	43.0B	106	33.5	15.7	29.3	16.5	26.7	43.6	56.4
8	8.30B	12.1 B	7.78B	38.5B	88.0	32.8	15.4	29.8	19.5	25.7	39.5	47.5
9	7.80B	11.4 B	7.76B	35.5B	78.1	30.6	15.4	29.9	19.3	25.9	35.9	44.9
10	7.50B	11.1 B	7.60B	33.0B	74.8	33.5	15.2	29.6	16.6	39.7	35.0	41.4
11	7.20B	10.7 B	8.30B	31.0B	86.6	32.6	15.5	50.4A	16.0	44.0	80.4	33.5
12	7.17B	11.1 B	8.80B	29.0B	112	28.1	15.0	183 E	15.0	39.0	90.4	23.0B
13	7.00B	11.7 B	10.0 B	27.2B	90.2	25.2	13.4	109 E	14.2	38.8	62.5	19.0B
14	6.85B	11.1 B	11.0 B	26.0B	76.3	23.5	12.6	101 E	13.6	60.2	53.3	17.5B
15	6.70B	10.5 B	12.0 B	30.5B	66.8	20.9	11.9	97.3E	13.5	74.7	45.1	15.8B
16	6.60B	10.2 B	13.5 B	42.0B	60.6	19.0	11.4	77.2E	39.2	62.8	41.0	25.0B
17	6.40B	10.0 B	14.5 B	100 B	55.9	18.7	11.2	60.8E	45.4	53.8	41.1	31.0B
18	7.00B	9.80B	18.0 B	230 B	64.3	17.4	10.5	51.6E	33.1	47.1	47.2	40.0B
19	7.60B	9.60B	22.0 B	184 B	80.6	19.2	10.6	54.3E	26.8	55.2	46.3	30.0B
20	8.80B	9.40B	25.8 B	165 B	69.4	21.8	10.1	50.0E	23.3	65.9	62.0	21.0B
21	10.2 B	9.20B	32.5 B	148 B	60.5	25.0	10.2	42.0E	20.7	50.4	60.0	26.0B
22	11.5 B	9.10B	31.5 B	135 B	65.4	28.4	9.91	37.3E	19.0	44.3	49.5	30.0B
23	10.8 B	9.00B	30.5 B	143	87.4	35.3	10.5	35.3A	24.7	42.6	45.5	35.0B
24	9.40B	8.90B	29.8 B	127	74.4	32.9	41.9	32.-	48.4	94.0	45.8	44.0B
25	8.40B	8.80B	29.5 B	129	63.2	47.3	89.4	30.5	36.8	216	53.6	38.0B
26	10.0 B	8.67B	29.0 B	120	55.2	35.8	107	28.1	30.0	141	53.3	35.0B
27	15.0 B	8.55B	24.0 B	163 A	48.7	29.4	72.1	26.1	26.1	102	42.3	32.0B
28	22.0 B	8.42B	21.0 B	215 E	45.4	25.2	53.2	28.6	23.5	82.7	46.1	30.0B
29	25.0 B		19.0 B	172 E	41.7	22.6	45.6	27.9	21.3	70.1	48.8	28.5B
30	30.0 B		18.2 B	141 A	48.8	20.2	37.5	27.0	20.7	63.6	57.9	27.5B
31	24.0 B		17.5 B		65.6		31.5	23.8		56.5		26.5B
TOTAL	336.02	323.14	505.36	2 688.8	2 657.1	896.9	799.71	1 463.4	698.5	1 785.3	1 492.2	1 126.5
MEAN	10.8	11.5	16.3	89.6	85.7	29.9	25.8	47.2	23.3	57.6	49.7	36.3
MAX	30.0	21.0	32.5	230	191	52.5	107	183	48.4	216	90.4	69.5
MIN	6.40	8.42	7.60	19.0	41.7	17.4	9.71	23.8	13.5	24.1	35.0	15.8

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 40.5
MAXIMUM DAILY, 230B ON APR 18
MINIMUM DAILY, 6.40B ON JAN 17
MAXIMUM INSTANTANEOUS,
270 AT 00:34 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 56 09 N
LONG 065 54 26 W

DRAINAGE AREA, 1 340 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	29 000	JUL	69 100
FEB	27 900	AUG	126 000
MAR	43 700	SEP	60 400
APR	232 000	OCT	154 000
MAY	230 000	NOV	129 000
JUN	77 500	DEC	97 300

TOTAL DISCHARGE, 1 280 000 dam³

MAGAGUADAVIC LAKE NEAR UPPER MAGAGUADAVIC - STATION NO. 01AQ007

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	116.649	116.756	116.676	116.573	116.427	117.055	116.800	116.759	116.570	116.158	116.757	116.961
2	116.642	116.761	116.655	116.551	116.421	117.045	116.797	116.763	116.560	116.151	116.763	116.962
3	116.644	116.762	116.630	116.537	116.429	117.013	116.798	116.753	116.560	116.141	116.779	116.956
4	116.644	116.761	116.594	116.571	116.429	116.979	116.787	116.747	116.557	116.128	116.785	116.956
5	116.638	116.761	116.565	116.651	116.438	116.953	116.779	116.740	116.542	116.128	116.798	116.997
6	116.627	116.757	116.542	116.736	116.458	116.917	116.775	116.735	116.531	116.127	116.802	117.018
7	116.621	116.753	116.520	116.783	116.470	116.874	116.765	116.732	116.476	116.124	116.820	117.026
8	116.617	116.743	116.496	116.806	116.482	116.879	116.757	116.721	116.454	116.118	116.833	117.036
9	116.616	116.737	116.474	116.808	116.488	116.851	116.735	116.712	116.426	116.113	116.833	117.034
10	116.617	116.749	116.452	116.790	116.491	116.848	116.740	116.694	116.414	116.108	116.831	117.027
11	116.613	116.760	116.432	116.761	116.520	116.833	116.741	116.681	116.414	116.113	116.880	117.006
12	116.607	116.764	116.418	116.736	116.547	116.823	116.726	116.693	116.412	116.117	116.912	116.999
13	116.606	116.774	116.404	116.716	116.561	116.781	116.714	116.695	116.410	116.117	116.923	116.982
14	116.590	116.780	116.386	116.691	116.604	116.778	116.707	116.698	116.408	116.124	116.923	116.969
15	116.587	116.786	116.381	116.672	116.640	116.768	116.693	116.689	116.387	116.135	116.931	116.959
16	116.590	116.788	116.367	116.699	116.670	116.766	116.694	116.682	116.377	116.143	116.928	116.953
17	116.587	116.789	116.349	116.729	116.687	116.766	116.697	116.683	116.343	116.140	116.927	116.944
18	116.590	116.782	116.362	116.752	116.723	116.757	116.685	116.687	116.313	116.135	116.928	116.932
19	116.598	116.774	116.394	116.753	116.758	116.755	116.676	116.680	116.292	116.163	116.930	116.941
20	116.597	116.763	116.429	116.738	116.785	116.755	116.663	116.667	116.271	116.174	116.946	116.941
21	116.598	116.753	116.482	116.721	116.806	116.756	116.662	116.645	116.244	116.175	116.943	116.939
22	116.599	116.749	116.513	116.703	116.844	116.760	116.660	116.632	116.215	116.179	116.937	116.954
23	116.601	116.745	116.552	116.681	116.899	116.770	116.655	116.623	116.204	116.185	116.930	116.980
24	116.603	116.744	116.593	116.653	116.949	116.791	116.660	116.609	116.202	116.266	116.926	117.047
25	116.606	116.749	116.630	116.623	116.985	116.803	116.671	116.601	116.197	116.394	116.931	117.112
26	116.620	116.746	116.646	116.596	117.000	116.811	116.702	116.602	116.193	116.503	116.944	117.143
27	116.649	116.730	116.655	116.553	117.005	116.816	116.727	116.602	116.190	116.593	116.944	117.144
28	116.668	116.702	116.651	116.514	117.003	116.819	116.743	116.600	116.185	116.645	116.948	117.137
29	116.678		116.645	116.477	116.987	116.809	116.756	116.582	116.175	116.691	116.959	117.114
30	116.729		116.621	116.443	117.001	116.804	116.759	116.570	116.163	116.726	116.962	117.101
31	116.745		116.592		117.045		116.758	116.572		116.750		117.084
MEAN	116.625	116.758	116.519	116.667	116.695	116.838	116.725	116.673	116.356	116.250	116.889	117.011
MAX	116.745	116.789	116.676	116.808	117.045	117.055	116.800	116.763	116.570	116.750	116.962	117.144
MIN	116.587	116.702	116.349	116.443	116.421	116.755	116.655	116.570	116.163	116.108	116.757	116.932

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 116.666
MAXIMUM DAILY, 117.144 ON DEC 27
MINIMUM DAILY, 116.108 ON OCT 10
MAXIMUM INSTANTANEOUS,
117.147 AT 04:53 AST ON DEC 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 43 44 N
LONG 067 11 09 W

A - MANUAL GAUGE
E - ESTIMATED

REGULATED SINCE 1978

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

MAGAGUADAVIC RIVER AT ELMCROFT - STATION NO. 01AQ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.0B	56.0B	30.1B	41.5E	29.0E	110	15.8	17.2	8.51	19.9	33.0	35.8A	1
2	13.2B	50.0B	28.8B	40.0E	27.0E	88.8	17.7	19.1	8.20	21.4	29.1	38.7	2
3	16.0B	45.0B	27.2B	46.0E	25.4E	73.3	13.4	18.3	8.87	21.4	26.5	34.9	3
4	18.7B	42.0B	26.0B	50.0E	22.8E	60.8	12.3	15.3	8.27	19.0	26.6	38.8	4
5	21.0B	39.0B	23.9B	105 E	21.2E	53.3	11.8	13.1	10.1	21.3	25.2	123 A	5
6	24.9B	36.5B	24.2B	140 E	22.0E	47.3	11.0	11.7	14.2	24.1	25.9	115 E	6
7	23.5B	34.0B	23.3B	120 E	28.0E	42.6	10.0	11.0	14.8	22.5	40.7	108 E	7
8	21.8B	32.2B	22.8B	90.0E	25.5E	45.1	9.41	10.7	16.7	20.2	43.9	90.4A	8
9	19.4B	31.0B	22.0B	73.0E	23.0E	38.3	8.82	13.2	17.0	18.8	38.2	78.5A	9
10	18.0B	33.5B	21.8B	68.0E	21.8E	31.3	8.33	15.4	15.3	22.3	33.0	67.3A	10
11	19.8B	41.0B	22.8B	82.0E	30.0E	28.6	7.90	14.8	14.8	26.1	49.9	58.0B	11
12	20.2B	54.0B	24.0B	108 E	48.0E	25.3	8.66	19.4	14.1	25.3	70.7A	49.5B	12
13	15.8B	64.0B	26.5B	95.0E	54.0E	19.8	9.27	23.9	13.5	27.1	57.9A	45.0B	13
14	14.5B	55.0B	30.0B	77.0E	78.1A	15.7	8.93	22.1	12.6	32.4	52.4	41.0B	14
15	13.2B	50.0B	31.1B	65.0E	85.6A	14.3	8.48	21.6	13.0	34.8	44.3	40.0B	15
16	12.5B	42.5B	38.0B	95.0E	62.5A	13.2	8.23	20.7	36.5	32.5	38.5	44.0B	16
17	11.2B	37.5B	50.0B	150 E	45.4A	12.3	8.03	17.9	42.4	29.0	35.5	63.0B	17
18	14.2B	34.0B	70.0B	122 E	45.6	11.4	7.80	15.0	36.2	26.2	35.2	83.3A	18
19	24.0B	32.0B	110 B	97.0E	59.7	11.6	7.64	14.3	31.3	27.6	38.7	106 A	19
20	35.0B	30.0B	150 B	86.0E	58.0A	13.3	7.32	16.2	28.4	40.7	42.5	90.0E	20
21	31.0B	28.2B	140 B	76.0E	47.6A	13.2	7.24	18.5	35.6	38.8	42.1	79.0E	21
22	24.8B	28.8B	122 B	85.0E	50.1	12.8	6.94	16.4	32.6	33.1	38.9	103 E	22
23	22.2B	31.0B	102 B	68.0E	84.4	14.1	6.93	14.4	38.3	28.8	36.4	106 E	23
24	20.5B	33.5B	87.0B	60.0E	114	36.3	7.86	13.2	53.1	56.3	39.8	203 E	24
25	19.4B	38.0B	78.0B	54.0E	108	51.2	22.0	12.1	42.4	118	51.9	180 E	25
26	25.0B	36.2B	69.0B	44.0E	83.5A	43.9	57.2	10.8	31.9	106	57.6	140 E	26
27	44.0B	34.3B	62.0E	39.5E	66.3	33.0	55.2	9.81	26.5	87.8	50.4A	110 E	27
28	92.0B	32.9B	55.5E	36.5E	54.5	25.4	43.7	9.17	23.0	56.3	49.7	82.0E	28
29	79.0B		50.0E	35.0E	48.2	20.8	32.1	9.46	20.6	49.3	48.6	73.0A	29
30	69.0B		48.0E	32.0E	58.5	17.6	25.9	9.30	19.2	46.6	46.5A	77.1	30
31	62.0B		44.0E		104		19.0	8.97		37.9		71.5A	31
TOTAL	858.8	1 102.1	1 662.0	2 275.5	1 628.9	1 024.6	479.89	463.01	689.95	1 171.5	1 250.0	2 574.8	TOTAL
MEAN	27.7	39.4	53.6	75.9	52.5	34.2	15.5	14.9	23.0	37.8	41.7	83.1	MEAN
MAX	92.0	64.0	150	150	114	110	57.2	23.9	53.1	118	70.7	203	MAX
MIN	12.0	28.2	21.8	32.0	21.2	11.4	6.93	8.97	8.20	18.8	25.2	34.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 41.6
MAXIMUM DAILY, 203E ON DEC 24
MINIMUM DAILY, 6.93 ON JUL 23

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 16 24 N
LONG 066 48 24 W

DRAINAGE AREA, 1 420 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	74 200	JUL	41 500
FEB	95 200	AUG	40 000
MAR	144 000	SEP	59 600
APR	197 000	OCT	101 000
MAY	141 000	NOV	108 000
JUN	88 500	DEC	222 000

TOTAL DISCHARGE, 1 310 000 dam³

MAMOZEKEL RIVER NEAR CAMPBELL RIVER - STATION NO. 01AH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.800B	1.27 B	0.680B	1.97B	20.1	3.95	2.49	3.67	2.41	1.87	---	---	1
2	0.940B	1.25 B	0.665B	2.35B	23.2	3.59	2.29	4.04	2.18	---	---	---	2
3	1.10 B	1.21 B	0.650B	2.87B	23.4	3.33	2.13	3.27	2.01	---	---	---	3
4	1.07 B	1.18 B	0.645B	4.60B	17.5	3.05	2.42	2.73	1.84	---	---	---	4
5	1.00 B	1.15 B	0.630B	9.00B	14.6	2.96	2.44	2.40	1.74	---	---	---	5
6	0.950B	1.12 B	0.615B	16.0 B	12.9	2.86	2.15	2.17	1.70	---	---	---	6
7	0.910B	1.08 B	0.600B	14.1	11.8	2.74	2.01	2.08	1.68	---	---	---	7
8	0.860B	1.05 B	0.590B	10.7	10.3	2.58	2.04	1.95	2.21	---	---	---	8
9	0.830B	1.02 B	0.580B	8.84	8.99	2.47	1.88	1.99	1.87	---	---	---	9
10	0.790B	1.00 B	0.620B	6.62	8.22	2.61	2.03	1.91	1.61	---	---	---	10
11	0.770B	1.00 B	0.645B	5.34	7.59	2.47	2.23	2.73	1.48	---	---	---	11
12	0.750B	0.990B	0.655B	4.80	7.65	2.17	1.89	6.88	1.43	---	---	---	12
13	0.727B	0.950B	0.640B	4.52	7.01	2.00	1.64	6.48	1.34	---	---	---	13
14	0.705B	0.930B	0.620B	4.47	6.23	1.87	1.49	15.1	1.31	---	---	---	14
15	0.680B	0.910B	0.600B	4.99	5.71	1.70	1.42	20.3	1.35	---	---	---	15
16	0.660B	0.890B	0.660B	8.92	5.26	1.68	1.33	12.2	4.62	---	---	---	16
17	0.650B	0.870B	0.780B	12.9	4.79	2.45	1.31	8.74	3.50	---	---	---	17
18	0.680B	0.850B	0.940B	15.3	5.00	2.32	1.26	6.80	2.34	---	---	---	18
19	0.800B	0.830B	1.22 B	12.8	6.18	2.19	1.75	7.26	2.00	---	---	---	19
20	1.00 B	0.810B	1.50 B	11.6	5.60	3.37	2.71	5.86	1.83	---	---	---	20
21	1.06 B	0.790B	2.80 B	16.4	5.01	4.09	1.93	4.77	1.81	---	---	---	21
22	0.900B	0.780B	2.67 B	20.6	5.20	3.38	1.54	4.12	1.69	---	---	---	22
23	0.820B	0.790B	2.50 B	20.4	7.25	3.17	1.49	3.70	1.91	---	---	---	23
24	0.760B	0.795B	2.42 B	20.3	7.27	3.70	9.02	3.28	2.55	---	---	---	24
25	0.700B	0.770B	2.61 B	20.2	6.65	4.48	13.1	2.94	2.23	---	---	---	25
26	0.780B	0.740B	2.47 B	18.8	5.96	3.78	11.7	2.72	1.97	---	---	---	26
27	0.870B	0.719B	2.36 B	23.7	5.34	3.24	8.71	2.55	1.83	---	---	---	27
28	0.920B	0.700B	2.27 B	33.3	4.87	3.65	7.78	3.47	1.72	---	---	---	28
29	1.10 B		2.17 B	27.6	4.45	3.17	5.88	3.46	1.68	---	---	---	29
30	1.41 B		2.09 B	21.7	4.25	2.77	4.64	3.37	1.81	---	---	---	30
31	1.33 B		2.04 B		4.27		3.75	2.79		---	---	---	31
TOTAL	27.322	26.444	40.935	385.6B	272.55	87.79	108.45	158.73	59.65	---	---	---	TOTAL
MEAN	0.881	0.944	1.32	12.9	6.79	2.93	3.50	5.12	1.99	---	---	---	MEAN
MAX	1.41	1.27	2.80	33.3	23.4	4.48	13.1	20.3	4.62	---	---	---	MAX
MIN	0.650	0.700	0.580	1.97	4.25	1.68	1.26	1.91	1.31	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 33.3 ON APR 28
MINIMUM DAILY, 0.580B ON MAR 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 15 03 N
LONG 067 08 32 W

DRAINAGE AREA, 230 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 360	JUL	9 370
FEB	2 280	AUG	13 700
MAR	3 540	SEP	5 150
APR	33 300	OCT	---
MAY	23 500	NOV	---
JUN	7 590	DEC	---

NEW BRUNSWICK

MEDUXNEKEAG RIVER NEAR BELLEVILLE - STATION NO. 01AJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.00B	27.9B	10.5 B	33.0B	52.0	49.4	10.8	8.14	12.1	14.2	35.7	41.7	1
2	12.1 B	26.1B	10.1 B	35.0B	46.9	36.1	9.68	8.26	9.59	21.5	31.5	31.0	2
3	12.6 B	24.9B	9.60B	36.5B	40.2	27.7	9.31	6.61	8.32	17.6	29.9	27.0	3
4	12.7 B	23.6B	9.10B	77.6	33.1	23.4	8.52	5.04	6.95	13.9	27.5	27.2	4
5	12.8 B	22.0B	8.70B	160	29.0	21.3	8.39	4.21	6.29	15.7	26.4	69.3	5
6	12.0 B	20.2B	8.40B	168	32.9	18.6	7.71	3.78	5.98	18.2	25.3	78.8	6
7	11.6 B	18.8B	8.10B	137	34.8	16.2	6.52	3.51	5.07	16.5	27.9	64.4	7
8	10.9 B	17.3B	7.70B	104	33.9	17.9	5.94	3.37	7.34	14.0	26.6	49.9	8
9	10.5 B	16.0B	7.80B	83.9	31.1	16.5	5.26	4.17	6.74	13.5	23.5	41.7	9
10	10.0 B	19.7B	8.10B	79.0	27.8	14.7	5.24	3.97	6.25	19.1	21.6	35.8	10
11	10.2 B	23.3B	8.60B	73.1	36.0A	15.7	4.89	30.4	5.83	22.2	81.9	26.7	11
12	9.60B	22.8B	11.0 B	65.7	43.0E	16.1	4.20	131	5.33	22.8	117	27.1	12
13	9.10B	21.5B	14.4 B	57.2	34.0E	13.7	3.84	91.4	4.99	30.1	71.2	27.7	13
14	8.90B	20.3B	15.3 B	51.6	26.5A	11.3	3.38	58.7	4.39	76.3	52.7	24.8	14
15	8.60B	19.0B	18.0 B	64.0	22.5	9.58	3.25	54.5	4.91	96.5	41.6	22.3	15
16	8.40B	17.9B	22.0 B	126	18.8	8.57	3.00	36.3	9.03	65.7	36.4	22.4	16
17	8.30B	16.7B	28.0 B	156	16.4	7.75	2.74	25.1	8.71	45.1	36.5	21.3	17
18	10.0 B	15.7B	36.0 B	149	19.8A	7.83	2.57	18.4	7.36	34.7	43.5	20.7	18
19	12.0 B	14.9B	58.0 B	114	36.0E	12.4	2.47	17.5	6.43	35.1	44.5	13.4	19
20	14.3 B	14.0B	56.0 B	98.1	29.0E	15.6	2.40	15.5	5.76	44.0	45.3	34.0	20
21	12.8 B	13.3B	49.0 B	124	26.0E	18.9	2.26	12.6	5.41	36.2	40.4	30.4	21
22	11.7 B	12.7B	45.5 B	140	42.0E	19.5	2.22	10.8	5.25	29.7	35.0	43.5	22
23	11.0 B	14.3B	50.0 B	124	75.5A	20.2	2.90	9.24	11.1	25.7	33.2	82.8	23
24	10.6 B	15.4B	61.0 B	105	96.1A	33.4	13.9	8.43	31.1	112	38.7	119	24
25	10.0 B	14.0B	56.0 B	94.7	69.7	44.7	27.9	7.47	22.3	334	52.4	93.6	25
26	12.2 B	13.0B	50.0 B	85.4	51.3	35.1	47.1	6.50	15.9	178	52.8	71.9	26
27	17.0 B	12.2B	45.0 B	89.7	40.7	24.3	34.3	6.67	11.9	104	41.2	48.0	27
28	24.0 B	11.5B	40.0 B	103	34.1	17.9	21.3	22.2	10.0	71.7	40.2	36.2	28
29	31.0 B		35.5 B	80.4	28.4	14.2	15.1	31.1	8.48	57.5	46.6	35.7	29
30	29.0 B		33.2 B	61.8	29.6	12.1	11.3	25.7	7.61	48.7	50.9	39.3	30
31	27.5 B		31.9 B		64.1		8.36	17.4		41.6		40.1	31
TOTAL	410.40	509.0	852.50	2 876.7	1 211.2	600.63	296.75	688.13	267.42	1 675.5	1 276.7	1 377.7	TOTAL
MEAN	13.2	18.2	27.5	95.9	39.1	20.0	9.57	22.2	8.91	54.0	42.6	44.4	MEAN
MAX	31.0	27.9	61.0	168	96.1	49.4	47.1	131	31.1	334	117	119	MAX
MIN	8.30	11.5	7.70	33.0	16.4	7.75	2.22	3.33	4.39	13.5	21.6	20.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 33.0
MAXIMUM DAILY, 334 ON OCT 25
MINIMUM DAILY, 2.22 ON JUL 22
MAXIMUM INSTANTANEOUS,
417 AT 05:14 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 12 58 N
LONG 067 43 42 W
DRAINAGE AREA, 1 210 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	35 500	JUL	25 600
FEB	44 000	AUG	59 500
MAR	73 700	SEP	23 100
APR	249 000	OCT	145 000
MAY	105 000	NOV	110 000
JUN	51 900	DEC	119 000

TOTAL DISCHARGE, 1 040 000 dam³

MIDDLE BRANCH NASHWAAKSIS STREAM AT SANDWITH'S FARM - STATION NO. 01AK006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.029	0.086B	0.036	0.101	0.168	0.190	0.009	0.104	0.007	0.040	0.088	0.132	1
2	0.041	0.079B	0.035	0.125	0.160	0.142	0.009	0.132	0.006	0.036	0.081	0.113	2
3	0.041	0.074B	0.035	0.137	0.130	0.112	0.024	0.067	0.005	0.026	0.080	0.102	3
4	0.030	0.070B	0.034	0.472	0.103	0.099	0.021	0.042	0.004	0.025	0.076	0.097	4
5	0.035	0.065B	0.032	0.793	0.104	0.094	0.014	0.032	0.004	0.054	0.072	0.453	5
6	0.033	0.062B	0.029	0.475	0.147	0.078	0.011	0.025	0.005	0.044	0.071	0.261	6
7	0.029	0.058B	0.027	0.343	0.114	0.072	0.007	0.036	0.006	0.032	0.101	0.175	7
8	0.027	0.054B	0.027	0.248	0.093	0.066	0.006	0.027	0.009	0.028	0.074	0.139	8
9	0.026	0.052	0.027	0.216	0.067	0.055	0.012	0.042	0.007	0.046	0.060	0.122	9
10	0.026	0.080	0.029	0.209	0.066	0.048	0.024	0.029	0.006	0.079	0.053	0.107B	10
11	0.033	0.115	0.035	0.169	0.215	0.041	0.013	0.032	0.007	0.063	0.397	0.092B	11
12	0.029	0.125	0.046	0.172	0.153	0.034	0.008	0.068	0.007	0.064	0.279	0.074B	12
13	0.028	0.077	0.050	0.136	0.103	0.029	0.004	0.038	0.006	0.068	0.156	0.074	13
14	0.025	0.071	0.048	0.145	0.213	0.024	0.003	0.065	0.005	0.095	0.122	0.072	14
15	0.023	0.064	0.052	0.262	0.141	0.020	0.002	0.063	0.037	0.089	0.109	0.059	15
16	0.024	0.060	0.048	0.834	0.106	0.019	0.002	0.033	0.182	0.074	0.103	0.060	16
17	0.023	0.059	0.071	0.565	0.093	0.017	0.001	0.024	0.050	0.061	0.105	0.064	17
18	0.046	0.052	0.152	0.472	0.292	0.017	0.001	0.029	0.026	0.054	0.131	0.061	18
19	0.064	0.048	0.236	0.344	0.248	0.021	0.001	0.022	0.020	0.137	0.113	0.235	19
20	0.068	0.044	0.260	0.355	0.160	0.021	0.001	0.014	0.018	0.118	0.131	0.162	20
21	0.054	0.042	0.209	0.581	0.127	0.019	0.001	0.012	0.019	0.084	0.108	0.105	21
22	0.046	0.040	0.206	0.477	0.370	0.027	0.001	0.011	0.013	0.071	0.094	0.414	22
23	0.044	0.073	0.198	0.382	0.544	0.021	0.005	0.009	0.076	0.068	0.095	0.607	23
24	0.041	0.064	0.290	0.363	0.394	0.072	0.014	0.008	0.078	0.590	0.158	0.970	24
25	0.041	0.049	0.272	0.333	0.278	0.045	0.163	0.021	0.042	0.629	0.202	0.534	25
26	0.076	0.042	0.189	0.299	0.196	0.045	0.299	0.010	0.031	0.262	0.203	0.331	26
27	0.121	0.037	0.148B	0.336	0.152	0.029	0.120	0.007	0.025	0.195	0.138	0.189	27
28	0.145	0.040	0.120B	0.336	0.122	0.029	0.223	0.013	0.024	0.154	0.147	0.136	28
29	0.207		0.104B	0.240	0.101	0.050	0.098	0.019	0.023	0.130	0.197	0.091B	29
30	0.178		0.090B	0.195	0.426	0.022	0.054	0.014	0.024	0.113	0.183	0.113B	30
31	0.122		0.096		0.376		0.047	0.010		0.099		0.248B	31
TOTAL	1.755	1.782	3.231	10.115	5.962	1.558	1.198	1.058	0.772	3.628	3.927	6.392	TOTA
MEAN	0.057	0.064	0.104	0.337	0.192	0.052	0.039	0.034	0.026	0.117	0.131	0.206	MEAN
MAX	0.207	0.125	0.290	0.834	0.544	0.190	0.299	0.132	0.182	0.629	0.397	0.970	MAX
MIN	0.023	0.037	0.027	0.101	0.066	0.017	0.001	0.007	0.004	0.025	0.053	0.059	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.113
MAXIMUM DAILY, 0.970 ON DEC 24
MINIMUM DAILY, 0.001 ON JUL 17
MAXIMUM INSTANTANEOUS,
1.28 AT 23:08 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 04 58 N
LONG 066 44 04 W
DRAINAGE AREA, 5.7 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	152	JUL	104
FEB	154	AUG	91.4
MAR	279	SEP	66.7
APR	874	OCT	313
MAY	515	NOV	339
JUN	135	DEC	552

TOTAL DISCHARGE, 3 580 dam³

REMARKS - PUBLISHED UNDER THE NAME "NORTH NASHWAAKSIS STREAM AT SANDWITH'S FARM TO 1985

MIDDLE BRANCH NASHWAAKSIS STREAM NEAR ROYAL ROAD - STATION NO. 01AK005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.110B	0.720	0.277	0.609	0.891	1.15	0.093	0.481	0.031	0.260	0.445	0.793B	1
2	0.262B	0.641	0.227	0.813	0.865	0.811	0.078	0.604	0.029	0.240	0.408	0.633	2
3	0.262B	0.530B	0.247	1.01	0.711	0.607	0.073	0.364	0.030	0.203	0.424	0.500B	3
4	0.200B	0.465B	0.237	3.89	0.583	0.510	0.093	0.228	0.023	0.163	0.390	0.720	4
5	0.230B	0.430B	0.222	5.15	0.560	0.466	0.080	0.165	0.022	0.333	0.359	3.29	5
6	0.212B	0.390B	0.205	3.17	0.780	0.392	0.051	0.126	0.024	0.286	0.471	1.73 B	6
7	0.170	0.365B	0.186	2.13	0.630	0.354	0.041	0.114	0.030	0.236	0.651	1.07 B	7
8	0.188	0.335B	0.166	1.48	0.500	0.324	0.037	0.138	0.047	0.202	0.512	0.852	8
9	0.181	0.320B	0.175	1.30	0.422	0.282	0.080	0.164	0.033	0.273	0.420	0.712	9
10	0.179	0.500B	0.182	1.19	0.378	0.253	0.104	0.116	0.029	0.468	0.374	0.632B	10
11	0.201	0.700B	0.229	0.918	1.51	0.226	0.062	0.161	0.030	0.397	2.83	0.540B	11
12	0.190	0.735B	0.281	0.913	1.23	0.191	0.043	0.350	0.027	0.416	1.83	0.464B	12
13	0.185	0.490B	0.300B	0.856	0.817	0.168	0.035	0.228	0.027	0.412	1.01	0.420B	13
14	0.172	0.418B	0.290B	0.929	1.62	0.142	0.026	0.421	0.022	0.535	0.772	0.383B	14
15	0.151	0.390B	0.312B	2.09	1.05	0.123	0.022	0.390	0.199	0.563	0.640	0.352B	15
16	0.141	0.356	0.294B	5.58	0.733	0.108	0.020	0.240	0.766	0.510	0.582	0.342B	16
17	0.143	0.356	0.427B	3.52	0.604	0.103	0.019	0.160	0.342	0.393	0.596	0.368B	17
18	0.260B	0.319	0.915B	2.76	1.94	0.091	0.014	0.121	0.212	0.332	0.734	0.344B	18
19	0.380B	0.294	1.41 B	1.95	1.62	0.141	0.012	0.133	0.152	0.998	0.677	1.49 B	19
20	0.420B	0.268	1.51 B	2.01	1.01	0.117	0.011E	0.083	0.132	0.948	0.893	0.981	20
21	0.375B	0.232	1.26 B	3.38	0.763	0.106	0.011E	0.066	0.130	0.641	0.764	0.822B	21
22	0.300B	0.224	1.23 B	2.65	2.70	0.189	0.009E	0.056	0.107	0.491	0.670	3.52	22
23	0.280B	0.475B	1.19 B	2.12	4.09	0.163	0.037	0.045	0.543	0.432	0.673	4.30	23
24	0.258	0.420B	1.67 B	2.00	2.47	0.480	0.133	0.040	0.535	5.24	1.15	6.81	24
25	0.239	0.283	1.62 B	1.76	1.42	0.355	1.76	0.042	0.343	3.90	1.43	2.72 B	25
26	0.450B	0.256	1.07 B	1.64	0.961	0.250	2.28	0.049	0.250	1.71	1.31	1.52 B	26
27	0.720B	0.243	0.890B	1.91	0.781	0.193	0.997	0.032	0.201	1.12	0.891	1.10 B	27
28	0.850B	0.253	0.785B	1.87	0.634	0.213	0.856	0.043	0.168	0.849	0.915	0.720B	28
29	1.24 B		0.670B	1.32	0.519	0.173	0.513	0.090	0.151	0.691	1.08	0.540B	29
30	1.05 B		0.615B	0.998	2.87	0.125	0.303	0.065	0.149	0.610	0.974	0.670B	30
31	0.928		0.564		2.34		0.219	0.043		0.518		1.48 B	31
TOTAL	10.927	11.408	19.656	61.916	38.018	8.806	8.112	5.358	4.784	24.370	24.875	40.818	TOTAL
MEAN	0.353	0.407	0.634	2.06	1.23	0.294	0.262	0.173	0.160	0.786	0.829	1.32	MEAN
MAX	1.24	0.735	1.67	5.58	4.09	1.15	2.28	0.604	0.766	5.24	2.83	6.81	MAX
MIN	0.110	0.224	0.166	0.609	0.378	0.091	0.009	0.032	0.022	0.163	0.359	0.342	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.710
MAXIMUM DAILY, 6.81 ON DEC 24
MINIMUM DAILY, 0.009E ON JUL 22
MAXIMUM INSTANTANEOUS,
11.5 AT 19:19 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 02 06 N
LONG 066 42 05 W
DRAINAGE AREA, 26.9 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	944	JUL	701
FEB	986	AUG	463
MAR	1 700	SEP	413
APR	5 350	OCT	2 110
MAY	3 280	NOV	2 150
JUN	761	DEC	3 530

TOTAL DISCHARGE, 22 400 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.021 IS DUE TO CURVE EXTENSION

MIDDLE RIVER NEAR BATHURST - STATION NO. 01BJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.615B	1.03 B	0.600B	1.27B	24.8	6.02	1.12	2.11	1.11	0.679	4.81	5.96	1
2	0.630B	0.970B	0.595B	1.30B	29.6	4.87	0.980	2.42	0.922	0.811	4.30	6.90	2
3	0.645B	0.950B	0.590B	1.67B	21.7	4.12	0.824	2.02	0.799	0.707	4.16	4.65	3
4	0.660B	0.920B	0.585B	2.35B	15.3	3.71	0.802	1.52	0.689	0.609	4.39	4.67	4
5	0.600B	0.880B	0.580B	4.40B	12.1	4.39	0.845	1.26	0.679	0.602	4.78	6.20B	5
6	0.575B	0.850B	0.576B	5.50B	13.6	3.53	0.728	1.05	0.677	0.603	4.30	5.80B	6
7	0.550B	0.820B	0.572B	9.60B	16.3	3.07	0.667	0.940	0.676	0.588	3.96	5.35B	7
8	0.525B	0.800B	0.568B	12.1 B	12.0	3.11	0.639	0.876	0.994	0.700	4.31	4.95B	8
9	0.510B	0.780B	0.564B	8.90B	9.50	2.72	0.643	0.818	0.878	1.16	3.51	4.60B	9
10	0.497B	0.767B	0.560B	7.10B	8.46	2.37	0.729	0.772	0.697	3.92	3.73	4.25B	10
11	0.485B	0.755B	0.556B	6.00B	7.89	2.09	0.804	1.79	0.587	3.52	10.0	3.85B	11
12	0.475B	0.748B	0.552B	5.00B	7.73	1.81	0.640	13.9	0.507	2.79	16.1	3.55B	12
13	0.465B	0.736B	0.548B	4.75B	6.16	1.62	0.552	7.85	0.479	2.75	9.39	3.30B	13
14	0.457B	0.724B	0.544B	5.80B	5.54	1.44	0.507	13.4	0.434	5.33	7.29	3.05B	14
15	0.450B	0.712B	0.540B	8.00	4.91	1.31	0.461	14.8	0.450	5.99	5.73	2.85B	15
16	0.445B	0.705B	0.580B	14.7	4.72	1.20	0.432	7.27	0.935	4.25	5.21	2.75B	16
17	0.480B	0.695B	0.630B	24.0	4.44	1.15	0.555	4.73	0.989	3.38	5.93	2.65B	17
18	0.460B	0.685B	0.690B	23.6	5.65	1.10	0.447	3.57	0.652	3.07	7.24	2.55B	18
19	0.445B	0.675B	0.750B	17.9	10.4	1.36	0.363	3.39	0.349	4.86	7.19	2.70B	19
20	0.435B	0.665B	0.820B	17.0	16.3	3.09	0.332	2.82	0.542	7.95	18.0	2.90B	20
21	0.428B	0.655B	0.910B	30.8	15.8	3.03	0.292	2.26	0.575	5.15	14.6	2.70B	21
22	0.423B	0.647B	1.00 B	31.8	21.0	2.63	0.259	1.93	0.549	4.21	9.81	2.55B	22
23	0.416B	0.639B	1.14 B	24.2	22.7	3.38	0.331	1.65	0.858	3.67	8.57	2.50B	23
24	0.408B	0.631B	1.36 B	26.4	13.9	4.53	5.87 A	1.43	2.01	14.8	8.59	2.70B	24
25	0.400B	0.623B	1.37 B	24.4	9.75	5.95	10.7	1.29	1.39	44.4	11.2	2.80B	25
26	0.530B	0.615B	1.35 B	22.4	7.76	3.62	16.3	1.17	1.08	19.3	9.44	2.60B	26
27	0.820B	0.610B	1.32 B	33.8	6.60	2.45	7.80	1.05	0.876	12.3	6.68	2.50B	27
28	1.19 B	0.605B	1.30 B	40.3	5.54	1.98	4.65	1.65	0.729	9.12	7.08	2.40B	28
29	1.15 B		1.28 B	27.4	5.04	1.60	3.48	1.98	0.687	7.64	7.38	2.30B	29
30	1.09 B		1.26 B	20.6	5.98	1.32	2.54	1.63	0.645	6.58	8.74	2.20B	30
31	1.04 B		1.25 B		8.27		2.07	1.37		5.69		2.40B	31
TOTAL	18.299	20.892	25.540	463.04	358.44	84.77	67.362	104.716	23.644	187.129	226.42	111.13	TOTAL
MEAN	0.590	0.746	0.824	15.4	11.6	2.83	2.17	3.38	0.788	6.04	7.55	3.58	MEAN
MAX	1.19	1.03	1.37	40.3	28.6	6.02	16.3	14.8	2.01	44.4	18.0	6.90	MAX
MIN	0.400	0.605	0.540	1.27	4.44	1.15	0.259	0.772	0.434	0.588	3.51	2.20	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.63
MAXIMUM DAILY, 44.4 ON OCT 25
MINIMUM DAILY, 0.259 ON JUL 22
MAXIMUM INSTANTANEOUS,
59.7 AT 03:30 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 36 30 N
LONG 065 43 23 W
DRAINAGE AREA, 190 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 580	JUL	5 820
FEB	1 810	AUG	9 050
MAR	2 210	SEP	2 040
APR	40 000	OCT	16 200
MAY	31 000	NOV	19 600
JUN	7 320	DEC	9 600

TOTAL DISCHARGE, 146 000 dam³

NEW BRUNSWICK

NACKAWIC STREAM NEAR TEMPERANCE VALE - STATION NO. 01AK007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.570B	7.45B	1.70 B	4.52	6.71	10.0	1.05	1.50	3.48	3.97	4.33	8.91	1
2	0.800B	6.30B	1.53 B	5.15	9.10	6.23	0.838	2.13	2.10	5.72	3.70	7.24	2
3	1.08 B	5.60B	1.40 B	7.07	5.10	4.24	0.676	1.45	1.36	4.80	3.52	5.44	3
4	1.15 B	4.50B	1.30 B	22.8	4.05	3.42	0.579	1.00	0.935	3.61	3.59	5.76	4
5	1.26 B	3.80B	1.22 B	38.4	3.49	3.81	0.555	0.683	0.705	5.77	3.56	18.3	5
6	1.19 B	3.00B	1.14 B	35.6	4.10	2.84	0.466	0.477	0.572	6.55	3.85	17.9	6
7	1.10 B	2.50B	1.08 B	27.4	4.09	2.26	0.401	0.416	0.522	5.49	5.57	14.0	7
8	1.03 B	2.00B	1.03 B	19.8	4.08	2.72	0.384	0.356	0.639	4.25	5.04	9.45	8
9	0.970B	1.65B	0.960B	15.2	3.36	2.13	0.370	0.322	0.566	3.90	4.05	7.16	9
10	1.01 B	2.00B	0.980B	12.9	2.72	1.83	0.408	0.279	0.573	6.26	3.70	5.99	10
11	1.08 B	3.00B	1.03 B	10.2	5.96	1.63	0.344	3.10	0.558	6.47	17.4	4.00B	11
12	1.11 B	4.90B	1.10 B	9.18	9.37	1.27	0.294	30.8	0.482	6.18	21.8	3.50B	12
13	1.03 B	3.85B	1.40 B	8.39	7.11	1.04	0.243	25.7	0.460	6.27	13.2	3.20B	13
14	0.960B	3.35B	1.18 B	8.09	6.79	0.830	0.191	13.5	0.406	12.1	10.9	3.00B	14
15	0.870B	2.98B	2.32 B	12.9	5.57	0.683	0.169	9.68	1.25	19.4	6.84	2.85B	15
16	0.830B	2.68B	2.94 B	32.9	4.34	0.592	0.166	6.22	7.11	13.4	5.69	2.70B	16
17	0.860B	2.45B	5.60 B	36.8	3.34	0.518	0.156	3.81	5.99	8.68	5.51	2.55B	17
18	1.00 B	2.25B	13.0 B	32.0	7.03	0.567	0.136	2.60	3.84	6.11	7.24	2.65B	18
19	1.27 B	2.08B	22.2 B	26.8	9.96	1.17	0.128	2.33	2.44	8.47	7.49	3.00B	19
20	1.63 B	1.90B	22.6 B	18.3	8.96	1.62	0.122	1.74	1.78	10.1	8.05	3.70B	20
21	2.04 B	1.77B	20.8 B	27.2	6.82	1.40	0.125	1.30	1.46	7.67	6.61	4.80B	21
22	1.72 B	1.98B	19.2 B	30.2	10.0	3.18	0.116	0.955	1.16	5.95	5.48	8.30B	22
23	1.50 B	2.30B	21.0 B	22.5	26.8	3.18	0.146	0.699	4.27	5.03	5.20	15.0 B	23
24	1.22 B	2.74B	24.2	18.0	26.2	8.58	0.380	0.552	7.88	25.2	7.64	24.0 B	24
25	1.00 B	2.45B	20.9	15.3	15.8	13.1	2.13	0.512	5.74	47.1	13.0	16.5 B	25
26	1.40 B	2.23B	17.5	13.2	9.82	8.00	4.19	0.500	3.83	25.8	14.9	11.0 B	26
27	2.50 B	2.03B	15.6	13.6	7.24	4.51	2.96	0.434	2.73	14.0	10.6	8.80B	27
28	7.00 B	1.90B	12.8	14.3	5.36	3.00	2.41	3.98	2.06	9.11	9.79	6.60B	28
29	6.40 B		9.73	11.3	4.03	1.86	1.69	12.2	1.64	7.47	11.2	5.60B	29
30	5.60 B		7.86	8.35	7.87	1.38	1.07	10.6	1.60	6.32	11.7	5.40B	30
31	6.60 B		5.17		14.6		0.744	5.98		5.24		5.90B	31
TOTAL	57.780	85.64	261.470	554.35	246.79	97.590	23.635	145.805	68.138	306.39	241.15	243.20	TOTAL
MEAN	1.86	3.06	8.43	18.5	7.96	3.25	0.762	4.70	2.27	9.88	8.04	7.85	MEAN
MAX	7.00	7.45	24.2	38.4	26.8	13.1	4.19	30.8	7.88	47.1	21.8	24.0	MAX
MIN	0.570	1.65	0.960	4.52	2.72	0.518	0.116	0.279	0.406	3.61	3.52	2.55	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.39
MAXIMUM DAILY, 47.1 ON OCT 25
MINIMUM DAILY, 0.116 ON JUL 22
MAXIMUM INSTANTANEOUS,
60.0 AT 21:06 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 02 57 N
LONG 067 14 25 W
DRAINAGE AREA, 240 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 990	JUL	2 040
FEB	7 400	AUG	12 600
MAR	22 600	SEP	5 890
APR	47 900	OCT	26 500
MAY	21 300	NOV	20 800
JUN	8 430	DEC	21 000

TOTAL DISCHARGE, 201 000 dam³

REMARKS - PUBLISHED AS "NACKAWIC RIVER AT TEMPERANCE VALE" TO 1980 AND AS "NACKAWIC RIVER NEAR TEMPERANCE VALE" TO 1985.

NARROWS MOUNTAIN BROOK NEAR NARROWS MOUNTAIN - STATION NO. 01AL004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.031	0.051	0.024	0.069	0.213	0.118E	0.020	0.042	0.015	0.119	0.101	0.169	1
2	0.047	0.048	0.024	0.084	0.266	0.093E	0.020	0.052	0.014	0.039	0.095	0.144	2
3	0.029	0.042	0.024	0.093	0.197E	0.077E	0.018	0.025	0.012	0.035	0.092	0.122	3
4	0.024	0.039	0.023	0.369	0.170E	0.088E	0.018	0.014	0.011	0.031	0.089	0.135	4
5	0.034	0.039	0.023	0.736	0.162E	0.100E	0.019	0.014	0.011	0.153	0.090	0.473	5
6	0.027	0.037	0.022	0.466	0.155E	0.082E	0.015	0.013	0.011	0.117	0.082	0.229	6
7	0.024	0.035	0.022	0.362	0.140E	0.072E	0.017	0.012	0.016	0.059	0.086	0.157	7
8	0.022	0.032	0.022	0.254	0.126E	0.063E	0.025	0.013	0.022	0.051	0.073	0.132	8
9	0.021	0.032	0.022	0.208	0.115E	0.054E	0.027	0.013	0.014	0.064	0.068	0.118	9
10	0.021	0.045	0.022	0.216	0.112E	0.048E	0.034	0.011	0.014	0.118	0.062	0.106	10
11	0.021	0.043	0.029	0.170	0.287E	0.043E	0.026	0.328	0.015	0.084	0.505	0.095	11
12	0.021	0.036	0.035	0.142	0.195E	0.037E	0.017	0.366	0.013	0.087	0.271	0.090	12
13	0.020	0.033	0.037	0.125	0.162E	0.033E	0.014	0.107	0.013	0.094	0.150	0.083	13
14	0.019	0.032	0.034	0.127	0.135E	0.029E	0.012	0.092	0.012	0.318	0.122	0.126	14
15	0.018	0.030	0.033	0.281	0.120E	0.023A	0.011	0.073	0.116	0.265	0.104	0.079	15
16	0.019	0.029	0.032	0.872	0.107E	0.021	0.011	0.047	0.212	0.162	0.102	0.074	16
17	0.019	0.029	0.052	0.609	0.100E	0.020	0.010	0.037	0.044	0.115	0.134	0.071	17
18	0.061	0.028	0.156	0.475	0.247E	0.033	0.010	0.029	0.025	0.099	0.199	0.088	18
19	0.088	0.028	0.232	0.321	0.162E	0.056	0.010	0.051	0.020	0.248	0.137	0.210B	19
20	0.038	0.027	0.139	0.469	0.135E	0.033	0.009	0.030	0.019	0.196	0.154	0.145	20
21	0.033	0.025	0.112	0.696	0.119E	0.030	0.009	0.024	0.017	0.117	0.116	0.104	21
22	0.029	0.025	0.096	0.583	0.240E	0.150	0.009	0.021	0.016	0.105	0.099	0.300B	22
23	0.027	0.045	0.125	0.539	0.312E	0.060	0.012	0.018	0.123	0.098	0.098	0.380B	23
24	0.026	0.039	0.202	0.502	0.278E	0.189	0.040	0.017	0.084	0.540	0.166	0.440B	24
25	0.024	0.028	0.121	0.450	0.188E	0.087	0.287	0.016	0.039	0.709	0.234	0.350B	25
26	0.070	0.024	0.105	0.526	0.160E	0.045	0.243	0.016	0.025	0.371	0.195	0.304	26
27	0.181	0.023	0.088	0.609	0.140E	0.029	0.066	0.015	0.023	0.249	0.126	0.279	27
28	0.139	0.025	0.080	0.473	0.125E	0.026	0.038	0.034	0.022	0.172	0.180	0.265B	28
29	0.071		0.072	0.260	0.120E	0.022	0.031	0.046	0.021	0.157	0.311	0.330B	29
30	0.059		0.070	0.239	0.258E	0.021	0.021	0.028	0.021	0.133	0.256	0.290B	30
31	0.058		0.068		0.182E		0.017	0.019		0.116		0.280B	31
TOTAL	1.321	0.949	2.146	11.325	5.428	1.782	1.116	1.623	1.020	5.221	4.497	6.168	TOTAL
MEAN	0.043	0.034	0.069	0.378	0.175	0.059	0.036	0.052	0.034	0.168	0.150	0.199	MEAN
MAX	0.181	0.051	0.232	0.872	0.312	0.189	0.287	0.366	0.212	0.709	0.505	0.473	MAX
MIN	0.018	0.023	0.022	0.069	0.100	0.020	0.009	0.011	0.011	0.031	0.062	0.071	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.117
MAXIMUM DAILY, 0.872 ON APR 16
MINIMUM DAILY, 0.009 ON JUL 20
MAXIMUM INSTANTANEOUS,
1.93 AT 19:22 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 16 36 N
LONG 067 01 17 W
DRAINAGE AREA, 3.89 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	114	JUL	96.4
FEB	82.0	AUG	140
MAR	195	SEP	88.1
APR	976	OCT	451
MAY	469	NOV	389
JUN	154	DEC	533

TOTAL DISCHARGE, 3 680 dam³

NASHWAAK RIVER AT DURHAM BRIDGE - STATION NO. 01AL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.5 B	20.0B	13.6B	33.3	124	81.1	11.8	19.1	10.8	20.6	43.0	61.3	1
2	13.2 B	19.0B	13.0B	36.3	126	61.4	11.1	31.0	9.44	28.1	38.4	52.2	2
3	16.2 B	17.5B	12.5B	36.5	109	49.2	10.4	21.8	8.56	20.5	36.3	43.6	3
4	16.1 B	16.5B	12.0B	77.2	83.7	41.9	9.61	16.3	7.46	16.5	35.2	40.6	4
5	14.0 B	15.5B	11.7B	189	70.7	39.6	9.59	12.7	7.11	26.8	34.6	149	5
6	13.1 B	15.0B	11.4B	180	76.5	36.1	8.79	11.4	7.24	32.0	33.7	117	6
7	12.0 B	14.5B	10.9B	141	67.9	32.6	8.26	10.5	7.40	24.7	33.7	82.9	7
8	11.5 B	13.9B	11.0B	109	54.6	30.1	8.04	10.3	9.59	20.4	30.8	65.1	8
9	11.0 B	13.5B	11.1B	86.3	45.8	27.1	8.30	10.8	9.94	20.8	27.7	57.1	9
10	10.8 B	17.0B	12.0B	81.4	41.3	24.8	9.95	10.1	8.36	31.8	26.9	49.3	10
11	10.6 B	19.5B	13.4B	65.3	76.4	22.7	9.40	14.4	7.61	30.7	104	38.0	11
12	10.2 B	18.0B	13.6B	62.3	98.5	20.5	7.75	157	7.28	27.9	120	33.0B	12
13	10.0 B	16.0B	13.5B	57.8	65.5	18.3	6.53	71.9	7.03	28.7	69.2	36.0B	13
14	9.80B	15.0B	13.4B	50.5	71.0	16.7	6.07	41.0	6.58	55.9	51.7	35.0B	14
15	9.40B	14.6B	13.7B	73.7	58.9	15.2	5.85	46.8	7.67	79.8	42.1	34.0B	15
16	9.10B	14.0B	15.4B	232	47.8	14.0	5.71	31.1	82.8	48.0	38.5	36.0B	16
17	9.00B	13.7B	30.0B	245	42.0	13.5	5.57	23.4	37.3	36.5	39.3	34.5B	17
18	13.5 B	13.4B	40.0B	232	72.9	13.4	5.48	19.5	22.8	31.6	55.3	32.2B	18
19	14.5 B	13.2B	46.3B	166	96.6	19.4	5.28	25.0	16.7	49.3	48.0	32.0B	19
20	25.0 B	12.8B	74.0B	157	73.8	18.4	5.41	23.7	13.9	68.0	53.2	77.0B	20
21	25.5 B	12.7B	52.0B	232	59.7	15.6	5.09	17.6	12.8	43.7	45.7	46.0B	21
22	22.0 B	15.0B	44.1B	221	76.7	20.6	4.89	14.4	11.8	35.5	39.6	61.0B	22
23	19.5 B	17.0B	46.0B	192	134	23.7	5.52	12.1	22.7	35.9	38.3	110 B	23
24	18.5 B	18.5B	58.0B	184	131	29.2	14.2	12.0	43.5	158	50.0	225 B	24
25	17.8 B	18.0B	63.0B	174	101	40.3	37.0	10.8	27.0	351	74.1	172	25
26	22.0 B	16.0B	50.0B	168	79.3	27.8	74.9	10.3	20.2	160	79.8	114	26
27	29.0 B	15.5B	44.0B	221	66.3	19.9	40.4	9.88	16.6	105	58.2	117	27
28	37.0 B	15.0B	40.0B	261	57.0	16.6	40.2	14.5	14.4	81.5	59.4	54.0B	28
29	30.0 B		38.0B	184	47.2	14.4	32.7	20.1	13.1	69.2	81.5	53.0B	29
30	26.0 B		36.0B	133	73.3	12.7	23.4	17.1	12.9	59.4	83.2	60.0B	30
31	22.0 B		31.0B		112		16.2	12.6		50.1		78.0B	31
TOTAL	518.80	442.3	898.6	4 273.6	2 442.4	816.8	453.21	760.18	490.57	1 845.9	1 571.3	2 217.8	TOTAL
MEAN	16.7	15.8	29.0	142	78.8	27.2	14.6	24.5	16.4	59.5	52.4	71.5	MEAN
MAX	37.0	20.0	74.0	261	134	81.1	74.9	157	82.8	351	120	225	MAX
MIN	9.00	12.7	10.9	33.3	41.3	12.7	4.89	9.88	6.58	16.5	26.9	32.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 45.8
MAXIMUM DAILY, 351 ON OCT 25
MINIMUM DAILY, 4.89 ON JUL 22
MAXIMUM INSTANTANEOUS,
474 AT 02:42 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 07 33 N
LONG 066 36 44 W
DRAINAGE AREA, 1 450 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	44 800	JUL	39 200
FEB	38 200	AUG	65 700
MAR	77 600	SEP	42 400
APR	369 000	OCT	159 000
MAY	211 000	NOV	136 000
JUN	70 600	DEC	192 000

TOTAL DISCHARGE, 1 450 000 dam³

NASHWAAK RIVER AT STANLEY - STATION NO. 01AL008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.20B	10.2 B	6.80B	16.4	62.7	27.7	6.89	9.81	7.62	16.0	21.2	27.4	1
2	5.40B	9.30B	6.60B	18.3	70.7	21.2	6.55	13.8	6.91	18.0	19.1	24.8	2
3	6.50B	8.70B	6.40B	21.3	56.8	17.5	5.90	9.74	6.10	12.6	18.1	20.3	3
4	7.40B	8.40B	6.10B	26.0B	41.9	16.1	5.54	7.35	5.44	10.4	18.3	15.9	4
5	6.70B	7.80B	5.90B	95.0B	35.8	16.3	5.81	6.06	5.33	19.0	18.2	45.1B	5
6	6.00B	7.50B	5.60B	89.0B	38.8	14.5	5.31	5.41	5.42	21.0	17.6	45.4	6
7	5.60B	7.20B	5.40B	62.5	33.0	13.1	4.86	5.29	5.74	15.1	17.2	32.2	7
8	5.40B	6.90B	5.35B	43.2	28.1	12.6	5.01	5.13	7.85	12.1	15.2	26.8	8
9	5.20B	8.00B	5.40B	34.3	24.1	12.0	5.00	4.86	7.30	12.7	13.2	24.7	9
10	5.00B	8.70B	5.70B	29.1	22.1	10.9	6.28	5.18	6.38	20.5	12.8	20.8	10
11	4.90B	9.50B	6.30B	22.7	43.1	10.2	5.75	19.0	6.18	18.8	55.8	15.0	11
12	4.70B	9.00B	6.60B	24.2	46.1	9.34	4.63	149	5.77	16.8	50.7	12.5	12
13	4.60B	8.00B	6.70B	23.8	31.0	8.62	4.00	49.4	5.45	17.9	29.5	14.6	13
14	4.50B	7.50B	6.70B	22.0	29.1	8.11	3.72	33.5	5.18	46.2	23.7	16.8B	14
15	4.40B	7.20B	7.50B	27.1	24.7	7.65	3.64	34.7	9.63	51.9	20.3	15.4	15
16	4.30B	6.90B	9.50B	86.0	21.2	7.24	3.54	22.9	46.3	32.5	18.6	16.9	16
17	4.30B	6.80B	12.5 B	88.6	20.0	6.80	3.57	16.3	21.6	24.6	20.8	15.9	17
18	5.70B	6.70B	18.0 B	85.8	14.7	7.17	3.28	12.8	14.3	20.6	27.0	14.6	18
19	6.50B	6.60B	27.5 B	60.5	40.1	9.28	3.05	18.3	9.73	30.7	54.1	27.0B	19
20	9.50B	6.40B	35.0 B	59.3	30.4	9.23	3.01	15.2	8.52	36.9	25.8	28.1	20
21	12.2 B	6.30B	26.0 B	94.9	24.9	8.28	3.08	10.8	7.99	26.3	22.6	18.8	21
22	11.0 B	7.10B	23.0 B	89.2	35.4	12.5	3.04	9.46	7.51	21.4	19.1	13.8	22
23	10.2 B	8.30B	21.9 B	80.6	52.8	12.5	3.66	8.78	19.3	19.9	18.1	65.9	23
24	9.30B	9.10B	26.0 B	76.6	46.6	22.0	12.2	7.97	29.0	98.7	22.3	100	24
25	8.80B	8.70B	30.0 B	74.4	36.1	26.4	22.4	7.56	16.5	150	32.4	52.9	25
26	11.0 B	8.20B	26.0 B	79.1	28.6	13.8	36.5	7.20	11.5	65.2	30.9	40.5	26
27	12.0 B	7.80B	23.0 B	123	24.6	9.85	20.1	6.82	9.54	44.2	22.8	25.4	27
28	18.0 B	7.50B	21.0 B	146	21.8	8.31	12.2	13.0	8.93	34.4	24.6	21.5	28
29	13.0 B		19.0 B	88.4	18.6	7.82	20.3	14.1	8.62	30.3	35.7	22.3	29
30	12.0 B		18.0 B	63.9	30.9	7.53	10.9	11.7	8.41	27.5	37.1	27.0	30
31	11.0 B		17.0 B		43.5		7.87	8.72		24.3		38.1	31
TOTAL	239.30	220.30	446.45	1 851.4	1 098.2	375.23	247.61	549.84	322.05	996.5	732.8	906.4	TOTAL
MEAN	7.72	7.87	14.4	61.7	35.4	12.5	7.99	17.7	10.7	32.1	24.4	29.2	MEAN
MAX	18.0	10.2	35.0	146	70.7	27.7	36.5	149	46.3	150	55.8	100	MAX
MIN	4.20	6.30	5.35	16.4	18.6	6.80	3.01	4.86	5.18	10.4	12.8	12.5	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.9
MAXIMUM DAILY, 150 ON OCT 25
MINIMUM DAILY, 3.01 ON JUL 20
MAXIMUM INSTANTANEOUS,
229 AT 22:32 AST ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 16 59 N
LONG 066 44 15 W
DRAINAGE AREA, 641 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 700	JUL	21 400
FEB	19 000	AUG	47 500
MAR	38 600	SEP	27 800
APR	160 000	OCT	86 100
MAY	94 900	NOV	63 300
JUN	32 400	DEC	78 300

TOTAL DISCHARGE, 690 000 dam³

NEW BRUNSWICK

NEPISIGUIT RIVER AT NEPISIGUIT FALLS - STATION NO. 01BK003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	13.6	12.7	9.34	19.5	188	56.6	25.5	53.5	26.1	18.7	62.3	72.8	
2	13.6	14.3	9.91	15.9	205	54.7	23.8	53.0	26.9	21.0	61.7	68.7	
3	11.9	14.4	9.63	16.1	201	51.8	23.2	48.4	24.6	18.7	61.2	66.7	
4	12.7	11.6	9.77	23.2	169	49.8	25.5	39.6	24.1	17.3	60.9	66.5	
5	13.9	11.0	9.63	41.1	155	50.1	25.5	36.0	21.2	17.8	60.2	66.7	
6	13.3	11.9	9.63	59.5	147	47.3	21.5	32.3	20.4	19.5	60.0	66.5	
7	11.0	11.9	9.63	64.0	131	44.7	20.4	31.4	21.8	19.0	60.0	64.8	
8	12.7	12.2	9.20	58.9	109	43.3	20.4	30.0	24.5	19.8	56.9	64.1	
9	11.9	11.6	9.06	47.3	98.3	38.8	20.4	28.0	21.1	24.0	48.7	67.7	
10	11.9	11.0	9.06	47.9	87.5	38.8	26.6	22.7	19.0	39.6	48.4	60.6	1
11	11.9	15.0	9.06	43.6	78.4	34.8	22.9	47.0	19.0	37.7	52.7	44.6	1
12	11.9	11.9	8.92	39.6	97.4	32.8	21.0	94.6	18.1	35.1	53.0	36.0	1
13	11.3	11.6	9.20	39.1	96.6	30.6	19.0	75.6	17.6	34.3	49.8	38.8	1
14	11.0	11.3	9.63	40.2	90.0	27.2	18.1	116	15.9	46.2	50.9	37.4	1
15	11.2	11.3	9.91	43.0	84.1	17.8	16.7	103	15.9	59.7	50.7	30.6	1
16	11.2	11.3	9.06	58.6	81.0	27.2	17.0	80.1	35.1	59.2	50.1	34.8	1
17	10.5	11.3	10.8	81.3	81.8	27.5	16.4	68.2	35.4	60.0	49.8	43.9	1
18	10.5	10.5	12.5	81.8	73.6	29.2	15.0	59.7	20.6	58.9	49.3	34.5	1
19	11.2	11.3	17.4	80.1	75.3	26.2	15.3	62.6	19.8	59.2	47.9	45.3	1
20	14.3	9.91	21.0	80.4	79.3	36.8	16.7	59.5	19.0	61.2	52.8	34.0	2
21	12.7	10.5	17.3	82.1	75.0	35.1	16.1	42.8	18.7	60.6	52.7	29.9	2
22	12.7	10.8	17.0	85.0	97.7	31.7	15.3	46.7	17.6	65.7	45.3	44.7	2
23	12.7	10.2	17.0	84.4	96.0	32.2	16.4	41.1	22.1	48.7	46.1	43.0	2
24	11.9	11.0	20.4	84.4	83.0	39.6	73.1	37.9	33.1	99.4	45.0	50.4	2
25	12.2	10.5	18.7	116	81.3	43.9	89.5	36.2	23.8	133	45.7	46.2	2
26	12.2	10.2	21.2	122	64.3	35.4	100	34.3	19.8	136	45.7	42.2	2
27	12.2	9.91	19.5	149	61.7	30.0	94.0	35.4	20.7	113	45.4	41.3	2
28	15.3	9.63	16.7	203	60.6	29.2	79.0	41.3	18.1	84.4	55.8	32.0	2
29	14.7		17.6	210	54.9	25.8	69.1	36.2	18.7	82.4	77.8	38.9	3
30	15.6		17.6	190	56.6	25.8	55.2	33.4	19.3	66.8	74.5	49.7	3
31	15.3		17.7		58.3		53.2	30.9		65.7		49.3	3
TOTAL	389.0	320.75	413.04	2 307.0	3 117.7	1 094.8	1 071.8	1 557.4	658.0	1 682.6	1 621.3	1 512.6	TO
MEAN	12.5	11.5	13.3	76.9	101	36.5	34.6	50.2	21.9	54.3	54.0	48.8	ME
MAX	15.6	15.0	21.2	210	205	56.6	100	116	35.4	136	77.8	72.8	MA
MIN	10.5	9.63	8.92	15.9	54.9	17.8	15.0	22.7	15.9	17.3	45.0	29.9	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 43.1
MAXIMUM DAILY, 210 ON APR 29
MINIMUM DAILY, 8.92 ON MAR 12

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 47 24 24 N
LONG 065 47 42 W
DRAINAGE AREA, 1 840 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	33 600	JUL	92 600
FEB	27 700	AUG	135 000
MAR	35 700	SEP	56 900
APR	199 000	OCT	145 000
MAY	269 000	NOV	140 000
JUN	94 600	DEC	131 000

TOTAL DISCHARGE, 1 360 000 dam³

NEREPIS RIVER NEAR FOWLERS CORNER - STATION NO. 01AP006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	1.52B	7.60B	2.89B	6.76	3.71	16.8	0.693	20.1	0.586	2.42	6.26	6.71	
2	1.92B	6.10B	2.70B	10.6	3.67	10.6	0.690	9.05	0.514	3.10	5.08	6.25	
3	2.40B	5.62B	2.52B	12.5	3.27	7.72	0.605	4.44	2.16	4.17	6.04	5.23	
4	3.20B	5.10B	2.40B	53.4	2.71	6.27	0.567	2.39	1.18	2.70	5.59	15.6	
5	4.60B	4.72B	2.30B	54.8	2.76	5.45	0.599	1.55	0.728	4.09	4.68	87.7	
6	6.02B	4.42B	2.18B	29.5	8.90	4.44	0.504	1.20	0.604	4.47	9.31	22.8	
7	4.90B	4.05B	2.06B	20.0	6.66	4.05	0.452	1.01	0.774	3.05	24.6	13.0	
8	4.15B	3.82B	1.96B	14.1	4.52	4.74	0.432	0.939	5.06	2.31	11.5	10.8	
9	3.70B	3.65B	1.88B	11.4	3.72	3.82	0.436	0.938	1.91	6.55	7.47	6.20B	
10	3.32B	8.55B	1.82B	11.0	3.28	3.35	0.467	0.874	1.19	6.30	6.12	5.30B	1
11	4.00B	41.8	2.00B	45.9	26.6	3.20	0.439	0.898	1.10	5.22	33.5	4.55B	1
12	5.25B	20.1	2.38B	28.2	16.1	2.53	0.379	4.82	0.914	3.85	17.7	4.10B	1
13	4.38B	12.0	3.30B	16.2	9.13	2.02	0.335	3.15	0.820	5.74	9.80	3.80B	1
14	3.78B	8.88	4.20B	12.7	65.1	1.69	0.320	1.88	0.726	9.50	7.58	3.55B	1
15	3.28B	5.60B	5.80B	13.2	24.3	1.46	0.289	2.51	0.687	11.0	6.57	3.38B	1
16	2.88B	4.90B	8.29	21.1	13.4	1.34	0.292	1.45	3.09	7.07	6.03	13.6	1
17	2.64B	4.00B	14.8	17.0	9.73	1.17	0.269	1.06	1.99	4.83	5.61	21.6	1
18	4.20B	3.50B	58.6	21.4	32.4	1.02	0.262	0.844	1.24	4.12	11.2	17.6	1
19	9.50B	3.15B	49.8	12.1	24.6	0.968	0.251	1.40	0.934	5.20	11.6	52.2	1
20	8.00B	2.80B	28.4	9.61	13.5	1.03	0.242	1.25	1.95	5.98	30.4	16.7	2
21	6.65B	2.62B	21.0	14.8	9.92	1.04	0.237	0.867	6.78	4.03	18.0	9.53	2
22	5.55B	2.48B	23.7	15.6	30.2	1.25	0.240	0.737	2.93	3.25	11.3	34.9	2
23	4.95B	2.70B	28.2	10.6	61.9	1.36	0.257	0.648	13.7	2.98	15.5	21.8	2
24	4.50B	3.20B	31.8	8.13	46.4	3.28	0.317	0.588	10.7	40.3	52.0	93.4	2
25	4.12B	4.80B	17.3	6.67	21.6	4.06	11.4	0.541	4.95	43.0	26.0	45.4	2
26	15.0 B	4.30B	13.9	6.01	13.2	2.19	25.0	0.489	3.26	16.1	21.3	19.2	2
27	88.8	3.80B	11.0	5.21	9.67	1.45	9.24	0.612	2.39	11.7	11.9	9.71	2
28	35.2	3.40B	7.0	4.79	7.61	1.10	4.37	1.21	1.96	9.07	12.3	6.99	2
29	23.5		6.24	4.35	6.05	0.876	2.55	1.01	1.63	10.6	10.8	6.10B	2
30	13.3		5.52	3.93	45.6	0.770	1.54	1.18	1.55	13.5	8.20	5.60B	3
31	9.00B		5.52		45.5		1.09	0.776		8.29		6.30B	3
TOTAL	294.11	190.66	382.29	501.76	575.71	103.044	64.764	70.411	77.607	260.49	388.94	580.10	TO
MEAN	9.49	6.81	12.3	16.7	18.6	3.43	2.09	2.27	2.59	8.40	13.0	18.7	ME
MAX	88.8	41.8	58.6	54.8	65.1	16.8	25.0	20.1	13.3	43.0	33.5	87.7	MA
MIN	1.52	2.48	1.82	3.93	2.71	0.770	0.237	0.489	0.514	2.31	4.68	3.38	MI

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.56
MAXIMUM DAILY, 88.8 ON JAN 27
MINIMUM DAILY, 0.237 ON JUL 21
MAXIMUM INSTANTANEOUS,
143 AT 20:38 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 30 08 N
LONG 066 19 14 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 400	JUL	5 600
FEB	16 500	AUG	6 080
MAR	33 000	SEP	6 710
APR	43 400	OCT	22 500
MAY	49 700	NOV	33 600
JUN	8 900	DEC	50 100

TOTAL DISCHARGE, 301 000 dam³

NEW BRUNSWICK

NIGADOO RIVER NEAR ALCIDA - STATION NO. 01BJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.350B	0.680B	0.323B	0.810B	21.5	4.05	0.931	0.859	0.629	0.693	2.95E	6.80E	1
2	0.425B	0.650B	0.316B	0.820B	28.7	3.45	0.832	0.884	0.623	0.714	2.65E	6.00E	2
3	0.410B	0.620B	0.313B	0.898B	19.4	2.93	0.775	0.794	0.558	0.675	2.50E	5.40E	3
4	0.390B	0.600B	0.310B	1.42 B	13.0	2.58	0.810	0.675	0.532	0.647	2.70E	4.80E	4
5	0.370B	0.585B	0.308B	1.85 B	9.74	2.48	0.774	0.620	0.509	0.682	2.85E	5.45B	5
6	0.360B	0.570B	0.306B	2.50 B	11.1	2.22	0.672	0.549	0.484	0.664A	2.60E	5.00B	6
7	0.350B	0.555B	0.304B	3.45 B	11.0	2.01	0.633	0.520	0.590	0.650E	2.40E	4.60B	7
8	0.340B	0.540B	0.302B	5.75 B	8.66	1.83	0.601	0.454	0.895	0.740E	2.60E	4.20B	8
9	0.330B	0.525B	0.301B	4.45 B	7.32	1.72	0.563	0.456	0.653	1.32 E	2.40E	3.80B	9
10	0.320B	0.510B	0.300B	3.50 B	6.39	1.55	0.571	0.421	0.589	2.42 E	2.30E	3.50B	10
11	0.315B	0.500B	0.310B	3.10 B	5.81	1.43	0.570	0.648	0.530	2.28 E	5.00E	3.15B	11
12	0.310B	0.485B	0.325B	2.40 B	5.32	1.29	0.521	2.84	0.479	1.79 E	10.1 E	2.85B	12
13	0.305B	0.472B	0.345B	2.25 B	4.60	1.18	0.487	2.22	0.460	1.77 E	6.50E	2.70B	13
14	0.320B	0.460B	0.365B	2.40 B	4.03	1.07	0.428	5.32	0.438	1.20 E	4.45E	2.50B	14
15	0.315B	0.445B	0.390B	3.80 B	3.54	1.03	0.401	5.84	0.473	3.63 E	3.40E	2.35B	15
16	0.305B	0.430B	0.415B	6.80 B	3.53	1.01	0.478	3.53	0.773	3.02 A	3.20E	2.25B	16
17	0.295B	0.415B	0.440B	12.0 B	3.14	1.07	0.622	2.50	0.633	2.43	3.65E	2.13B	17
18	0.285B	0.405B	0.480B	11.5	3.95	1.03	0.484	2.06	0.554	2.28	4.60E	2.10B	18
19	0.280B	0.395B	0.520B	8.45	3.08	1.09	0.410	2.00	0.558	4.74	4.45E	2.55B	19
20	0.275B	0.385B	0.580B	8.55	12.5	1.34	0.388	1.67	0.563	4.60	10.5 E	2.35B	20
21	0.270B	0.377B	0.620B	16.6	12.9	1.20	0.350	1.41	0.558	3.40	9.25E	2.10B	21
22	0.265B	0.371B	0.680B	18.0	27.1	1.20	0.330	1.20	0.517	2.96	6.75E	1.95B	22
23	0.260B	0.365B	0.790B	15.5	23.4	1.25	0.350	1.07	0.793	2.71	5.80E	1.80B	23
24	0.257B	0.357B	0.920B	16.8	12.8	1.86	1.72	0.982	1.01	18.0	6.50E	2.10B	24
25	0.254B	0.350B	0.870B	16.2	8.02	1.97	2.08	0.891	0.837	30.7	8.00E	2.00B	25
26	0.251B	0.344B	0.855B	16.6	6.30	1.58	2.85	0.842	0.792	13.6	7.50E	1.85B	26
27	0.600B	0.337B	0.840B	25.2	5.19	1.37	1.94	0.812	0.755	7.00 E	6.90A	1.70B	27
28	0.980B	0.330B	0.820B	30.6	4.58	1.26	1.33	0.889	0.647	5.30 E	9.30E	1.60B	28
29	0.800B		0.815B	20.0	4.09	1.08	1.05	0.929	0.643	4.60 E	7.00E	1.50B	29
30	0.750B		0.810B	15.9	4.50	0.998	0.875	0.844	0.620	3.95 E	8.00E	1.55B	30
31	0.710B		0.810B		4.91		0.811	0.716		3.45 E		1.60B	31
TOTAL	12.047	13.058	16.085	278.098	304.10	50.128	25.637	45.447	18.695	134.605	153.80	93.93	TOTAL
MEAN	0.389	0.466	0.519	9.27	9.81	1.67	0.827	1.47	0.623	4.34	5.13	3.03	MEAN
MAX	0.980	0.680	0.920	30.6	28.7	4.05	2.85	5.84	1.01	30.7	10.5	6.80	MAX
MIN	0.251	0.330	0.300	0.810	3.14	0.998	0.330	0.421	0.438	0.647	2.30	1.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.14
MAXIMUM DAILY, 30.7 ON OCT 25
MINIMUM DAILY, 0.251B ON JAN 26
MAXIMUM INSTANTANEOUS,
50.8 AT 21:53 AST ON OCT 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 44 24 N
LONG 065 43 47 W
DRAINAGE AREA, 123 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 040	JUL	2 220
FEB	1 130	AUG	3 930
MAR	1 390	SEP	1 620
APR	24 000	OCT	11 600
MAY	26 300	NOV	13 100
JUN	4 330	DEC	8 120

TOTAL DISCHARGE, 99 000 dam³

NORTH BRANCH OROMOCTO RIVER AT TRACY - STATION NO. 01AM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.20B	30.0 B	8.00B	14.2	12.3	34.8	4.70	2.52	1.43	3.14	10.6	12.4	1
2	7.00B	26.8 B	7.69B	17.1	23.0	23.3	4.45	3.90	1.21	3.54	8.60	10.7	2
3	10.0 B	24.0 B	7.30B	19.5	10.7	17.4	4.07	3.31	1.52	3.55	7.88	8.80	3
4	13.2 B	21.0 B	7.00B	61.7	9.37	14.0	3.89	2.66	1.62	3.07	8.05	10.3	4
5	17.0 B	19.0 B	6.80B	105	8.93	12.3	3.83	2.07	1.63	4.21	7.18	90.0	5
6	23.0 B	16.4 B	6.55B	75.8	12.5	10.5	3.51	1.79	1.39	5.27	8.75	55.4	6
7	21.0 B	15.3 B	6.25B	50.9	12.7	9.47	3.04	1.59	1.19	4.56	19.7	32.0	7
8	18.8 B	13.8 B	6.05B	33.9	11.0	11.9	2.69	1.65	1.20	3.98	17.2	22.7	8
9	16.8 B	12.4 B	5.95B	26.4	9.51	10.6	2.57	1.68	1.15	3.52	13.3	17.9	9
10	15.1 B	18.0 B	5.80B	24.9	9.15	9.41	2.48	1.76	1.11	6.33	10.8	12.2 B	10
11	17.2 B	26.0 B	6.50B	41.6	19.1	7.86	2.28	1.65	0.960	7.44	24.2	9.80B	11
12	20.4 B	24.0 B	7.20B	42.8	24.0	6.56	2.17	2.09	0.803	6.50	27.7	8.60B	12
13	16.5 B	21.5 B	8.20B	36.4	17.8	5.78	2.04	2.44	0.687	5.72	18.1	7.60B	13
14	11.5 B	18.6 B	10.0 B	29.7	39.7	5.23	1.80	2.18	0.710	5.58	14.5	7.00B	14
15	9.60B	16.8 B	13.3 B	30.3	31.7	5.06	1.77	1.97	0.933	5.29	11.5	6.60B	15
16	8.20B	15.0 B	22.0 B	75.7	22.5	4.59	1.67	1.70	14.8	4.85	9.66	7.30B	16
17	7.50B	13.8 B	30.0 B	69.1	17.6	4.40	1.61	1.55	12.1	4.37	9.16	8.40B	17
18	9.20B	12.2 B	40.0 B	63.1	30.0	4.17	1.54	1.37	6.73	3.83	10.7	15.0 B	18
19	11.5 B	11.2 B	57.6 B	42.5	35.0	5.37	1.44	2.45	4.76	7.99	12.6	46.9	19
20	16.0 B	10.1 B	79.0 B	31.1	26.6	5.09	1.39	2.55	4.24	14.2	16.3	33.8	20
21	15.0 B	9.20B	110 B	32.0	20.6	4.62	1.41	2.11	7.12	10.4	15.6	22.3	21
22	13.2 B	10.2 B	76.0 B	34.4	35.6	5.41	1.27	1.79	5.78	7.36	13.4	38.1	22
23	11.4 B	12.0 B	58.0 B	29.0	75.6	5.85	1.40	1.58	8.91	6.00	12.8	63.0	23
24	10.2 B	12.9 B	48.0 B	25.0	80.6	17.2	1.62	1.39	13.0	49.0	16.3	134	24
25	9.40B	11.4 B	40.0 B	21.2	45.6	18.6	3.09	1.46	9.01	93.1	21.5	109	25
26	16.0 B	10.2 B	33.0 B	18.8	29.8	13.7	7.04	1.41	6.04	47.6	23.3	55.4	26
27	38.0 B	9.70B	30.8	17.1	21.4	9.18	6.38	1.23	4.61	27.6	19.5	39.0	27
28	56.0 B	9.00B	25.8	15.8	16.4	7.14	4.66	1.40	3.73	19.1	16.1	30.6	28
29	48.0 B		19.0	14.9	13.7	5.70	3.55	1.58	3.06	16.0	16.6	18.1	29
30	39.0 B		15.8	13.3	35.5	4.91	2.76	1.89	2.91	15.5	15.0	17.7	30
31	34.0 B		14.7		60.1		2.37	1.87		12.8		19.2	31
TOTAL	564.90	450.50	810.29	1 113.2	807.06	300.10	88.49	60.59	124.343	411.40	436.38	949.80	TOTAL
MEAN	18.2	16.1	26.1	37.1	26.0	10.0	2.85	1.95	4.14	13.3	14.5	30.6	MEAN
MAX	56.0	30.0	110	105	80.6	34.8	7.04	3.90	14.8	93.1	27.7	134	MAX
MIN	5.20	9.00	5.80	13.3	8.93	4.17	1.27	1.23	0.687	3.07	7.18	6.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.7
MAXIMUM DAILY, 134 ON DEC 24
MINIMUM DAILY, 0.687 ON SEP 13
MAXIMUM INSTANTANEOUS,
201 AT 18:44 AST ON DEC 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION.- LAT 45 40 25 N
LONG 066 40 58 W
DRAINAGE AREA, 557 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	48 800	JUL	7 650
FEB	38 900	AUG	5 230
MAR	70 000	SEP	10 700
APR	96 200	OCT	35 500
MAY	69 700	NOV	37 700
JUN	25 900	DEC	82 100

TOTAL DISCHARGE, 528 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "NORTHWEST OROMOCTO RIVER AT TRACY" TO 1985

NEW BRUNSWICK

NORTHWEST MIRAMICHI RIVER AT TROUT BROOK - STATION NO. 01BQ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.56B	8.50B	4.80B	19.0B	97.7	33.5	10.3	21.5	13.3	8.81	25.8	30.3	1
2	2.73B	8.10B	4.60B	21.6B	121	27.1	9.69	22.5	11.7	10.1	23.3	30.6	2
3	2.93B	7.70B	4.45B	24.0B	103	23.3	9.46	19.3	10.4	9.00	22.1	25.9	3
4	3.20B	7.40B	4.35B	28.0B	70.7	21.1	13.5	15.6	9.44	8.29	21.8	24.7	4
5	3.43B	7.10B	4.25B	32.0B	55.8	22.1	12.6	13.8	8.81	8.59	22.0	37.4	5
6	3.50B	6.80B	4.15B	60.0B	58.1	20.3	10.5	12.4	8.41	8.86	21.2	46.8	6
7	3.49B	6.50B	4.04B	93.0B	59.5	18.3	9.11	11.5	8.28	8.43	20.9	39.2	7
8	3.42B	6.20B	4.00B	76.0B	48.8	18.3	8.80	10.8	8.56	8.18	21.4	31.6	8
9	3.29B	5.80B	3.99B	68.0B	41.3	16.8	8.76	10.1	9.14	9.37	18.5	29.3	9
10	3.20B	5.90B	3.98B	62.0B	37.3	15.2	12.2	9.50	8.09	21.2	18.5	25.6	10
11	3.10B	6.00B	4.20B	56.0B	38.5	13.9	12.5	24.0	7.63	23.3	48.8	22.1	11
12	3.02B	5.80B	4.50B	52.0B	45.6	12.7	9.96	176	7.13	19.1	78.1	19.2	12
13	2.97B	5.50B	5.00B	50.0B	37.5	11.8	8.58	103	7.07	18.4	47.4	18.3	13
14	2.88B	5.20B	5.50B	47.0B	32.0	10.6	7.72	71.0	6.97	32.5	35.1	18.5B	14
15	2.78B	4.98B	6.00B	44.0B	28.8	9.80	7.09	78.6	6.88	38.0	28.3	15.0B	15
16	2.72B	4.80B	7.40B	66.0B	26.9	10.3	6.47	48.7	10.4	28.9	25.5	13.7B	16
17	2.80B	4.57B	8.50B	101 B	25.5	14.3	6.07	34.7	11.5	23.2	25.1	15.0B	17
18	3.05B	4.40B	9.20B	113	30.9	13.5	5.82	28.3	8.84	20.0	29.6	19.0B	18
19	3.45B	4.24B	10.2 B	82.7	47.1	12.9	5.39	25.4	7.83	23.9	28.8	17.0B	19
20	3.90B	4.13B	11.5 B	73.6	45.0	16.4	5.72	29.6	7.30	33.1	46.3	15.5B	20
21	4.50B	4.00B	13.5 B	124	40.0	20.4	5.90	23.8	7.10	26.6	50.9	14.6B	21
22	4.74B	4.05B	15.5 B	131	47.4	17.5	5.26	20.0	6.97	22.9	39.5	17.2B	22
23	4.58B	4.30B	18.5 B	100	69.4	16.1	5.82	17.9	8.48	20.6	34.7	23.0B	23
24	4.30B	4.70B	21.0 B	95.1	56.1	19.4	31.5	16.2	18.4	51.7	33.7	27.0B	24
25	4.00B	5.00B	24.0 B	87.4	43.9	26.2	82.5	14.4	14.5	185	41.2	22.6B	25
26	4.50B	5.18B	27.0 B	83.0	36.4	19.9	110	13.6	11.5	106	39.4	18.2B	26
27	5.40B	5.16B	26.0 B	115	31.6	16.3	68.6	12.8	9.77	63.0	30.3	15.9B	27
28	7.00B	5.00B	23.0 B	149	28.0	13.6	44.4	39.5	8.81	45.3	30.2	13.0B	28
29	10.0 B		21.8 B	122	25.5	12.6	31.2	41.8	8.36	38.0	32.8	12.2B	29
30	9.40B		20.5 B	90.0	30.6	11.5	24.5	25.1	8.16	33.4	37.4	11.5B	30
31	9.00B		19.8 B		43.0		20.4	16.9		29.1		11.0B	31
TOTAL	129.84	157.01	345.21	2 255.4	1 502.9	515.70	610.32	1 018.30	280.73	982.73	978.6	680.9	TOTAL
MEAN	4.19	5.61	11.1	75.2	48.5	17.2	19.7	32.8	9.36	31.7	32.6	22.0	MEAN
MAX	10.0	8.50	27.0	149	121	33.5	110	176	18.4	185	78.1	46.8	MAX
MIN	2.56	4.00	3.98	19.0	25.5	9.80	5.26	9.50	6.88	8.18	18.5	11.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.9
MAXIMUM DAILY, 185 ON OCT 25
MINIMUM DAILY, 2.56B ON JAN 01
MAXIMUM INSTANTANEOUS,
204 AT 05:47 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 05 41 N
LONG 065 50 14 W
DRAINAGE AREA, 948 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 200	JUL	52 700
FEB	13 600	AUG	88 000
MAR	29 800	SEP	24 300
APR	195 000	OCT	84 900
MAY	130 000	NOV	84 600
JUN	44 600	DEC	58 800

TOTAL DISCHARGE, 818 000 dam³

PARLEE BROOK BELOW ARNOLDS BRIDGE - STATION NO. 01AP009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.190B	1.67	0.710B	0.992	0.869	2.22	0.221	0.362	0.088	0.340	1.84	1.56	1
2	0.330B	1.47	0.661B	1.10	0.824	1.84	0.193	0.273	0.086	0.340	1.51	1.37	2
3	0.305B	1.33 B	0.620B	1.47	0.727	1.51	0.167	0.196	0.125	0.388	1.31	1.20	3
4	0.251B	1.20 B	0.576	9.00	0.634	1.35	0.197	0.158	0.095	0.303	1.09	4.80	4
5	0.270B	1.10 B	0.560B	6.96	0.690	1.19	0.184	0.129	0.089	0.635	0.925	12.2	5
6	0.234B	1.02 B	0.540B	4.56	0.863	1.00	0.159	0.118	0.090	0.464	1.34	5.05	6
7	0.200B	0.930B	0.502B	3.39	0.731	0.869	0.161	0.116	0.166	0.388	1.61	3.31	7
8	0.172B	0.870B	0.482B	2.60	0.660	0.761	0.157	0.115	0.261	0.363	1.19	2.79	8
9	0.155B	0.800B	0.462B	2.17	0.649	0.665	0.150	0.113	0.132	0.391	1.06	2.42	9
10	0.148B	2.00 B	0.445B	1.99	0.598	0.605	0.149	0.107	0.110	0.674	0.986	1.90	10
11	0.240B	2.76	0.422	6.05	2.25	0.541	0.132	0.104	0.104	0.526	4.22	1.51	11
12	0.220B	1.97	0.449	4.37	1.84	0.503	0.128	0.899	0.095	0.485	2.64	1.30	12
13	0.205B	1.80 B	0.437	3.12	1.81	0.462	0.126	0.320	0.091	0.491	1.98	1.20B	13
14	0.192B	1.47	0.421	2.51	7.15	0.427	0.121	0.233	0.086	0.810	1.57	1.11B	14
15	0.189B	1.34 B	0.389	2.25	4.40	0.377	0.114	0.202	0.099	0.908	1.29	1.30B	15
16	0.213B	1.19 B	0.412	2.74	3.24	0.354	0.112	0.168	0.163	0.723	1.12	2.02	16
17	0.268B	0.983	1.09	2.92	2.34	0.329	0.110	0.154	0.105	0.657	1.00	2.28	17
18	0.390B	0.875B	4.39	4.01	3.07	0.311	0.103	0.137	0.093	0.590	1.44	2.57	18
19	0.450B	0.810B	3.40	2.79	2.44	0.312	0.101	0.172	0.089	0.898	1.86	7.45	19
20	0.360B	0.750B	2.66	2.29	2.11	0.381	0.100	0.143	0.281	0.768	2.17	4.24	20
21	0.305B	0.670B	3.16	2.62	1.87	0.361	0.105	0.132	0.343	0.647	1.69	3.01	21
22	0.258B	0.730B	2.46	2.39	2.83	0.424	0.100	0.126	0.171	0.635	1.65	6.09	22
23	0.210B	0.820B	2.83	2.36	4.98	0.340	0.111	0.116	1.09	0.613	2.75	5.97	23
24	0.208B	1.08	2.64	2.11	4.50	0.380	0.169	0.116	1.627	3.05	2.69	9.87	24
25	0.195B	1.00 B	2.09	1.57	3.43	0.322	0.855	0.104	0.395	3.21	3.54	6.76	25
26	5.00 B	0.920B	1.86	1.42	2.65	0.273	0.417	0.101	0.325	2.11	3.28	4.32	26
27	9.26	0.860B	1.56	1.26	2.12	0.247	0.264	0.096	0.283	1.71	2.38	2.88	27
28	4.69	0.841B	1.75	1.19	1.76	0.241	0.199	0.094	0.249	1.37	2.28	2.07B	28
29	3.27		1.25	1.05	1.42	0.222	0.153	0.107	0.236	2.43	2.15	1.88	29
30	2.53		1.25	0.958	3.22	0.208	0.128	0.104	0.232	3.15	1.80	1.97	30
31	2.00		0.858		2.85		0.124	0.097		2.33		2.08	31
TOTAL	32.928	33.259	41.336	83.580	69.525	19.029	5.510	5.402	6.399	32.397	55.361	107.78	TOTAL
MEAN	1.06	1.19	1.33	2.79	2.24	0.634	0.178	0.174	0.213	1.05	1.85	3.48	MEAN
MAX	9.26	2.76	4.39	9.00	7.15	2.22	0.855	0.899	1.09	3.21	4.22	12.2	MAX
MIN	0.148	0.670	0.389	0.958	0.598	0.208	0.100	0.094	0.086	0.303	0.925	1.11	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 12.2 ON DEC 05
MINIMUM DAILY, 0.086 ON SEP 02
MAXIMUM INSTANTANEOUS,
25.8E AT 22:56 AST ON DEC 04

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 40 21 N
LONG 065 25 06 W
DRAINAGE AREA, 35.4 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 840	JUL	476
FEB	2 870	AUG	467
MAR	3 570	SEP	553
APR	7 220	OCT	2 800
MAY	6 010	NOV	4 780
JUN	1 640	DEC	9 310

TOTAL DISCHARGE, 42 500 dam³

REMARKS - THE E FOR DISCHARGES ABOVE 16.9 IS DUE TO CURVE EXTENSION

NEW BRUNSWICK

PETITCODIAC RIVER NEAR PETITCODIAC - STATION NO. 01BU002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.60B	16.0 B	4.33B	7.04	6.24	25.6	1.01	12.5	0.476	0.739	6.51	6.92	1
2	2.05B	14.0 B	4.33B	8.31	5.88	14.8	0.957	9.11	0.460	0.831	4.46	6.12	2
3	2.34B	12.5 B	3.94B	11.1	5.35	10.4	0.956	7.25	0.814	1.08	3.72	5.30	3
4	2.60B	11.3 B	3.82B	29.4	4.57	8.41	0.938	4.14	0.616	1.01	3.59	4.72	4
5	2.98B	10.7 B	3.72B	47.4	4.05	7.23	0.957	2.17	0.562	1.79	3.37	20.5	5
6	3.60B	10.0 B	3.62B	41.4	8.28	6.00	0.862	1.46	0.608	1.86	5.03	16.8 A	6
7	3.15B	9.30B	3.54B	28.0	11.9	5.00	0.853	1.08	0.596	1.39	26.2	12.9 E	7
8	2.70B	8.60B	3.47B	20.5	9.54	4.19	0.885	0.945	1.59	1.06	20.6	11.0 E	8
9	2.48B	8.25B	3.37B	15.7	7.94	3.77	0.848	0.896	0.970	1.03	11.8	9.50E	9
10	2.37B	8.00B	3.30B	14.4	6.63	3.48	0.891	0.807	0.814	2.44	7.26	8.30B	10
11	2.80B	11.0 B	3.25B	43.9	6.27	3.06	0.868	0.733	0.770	3.15	7.50	7.20B	11
12	3.40B	22.0 B	5.77B	41.6	6.55	2.77	0.800	2.20	0.682	2.37	8.11	6.50B	12
13	3.15B	17.5 B	8.50B	29.0	5.17	2.36	0.762	1.67	0.577	1.83	6.03	5.80B	13
14	2.85B	14.5 B	7.90B	20.3	35.7	2.07	0.693	1.21	0.506	2.64	4.64	5.20B	14
15	2.68B	12.3 B	7.20B	19.2	38.3	1.86	0.614	1.00	0.483	9.68	3.96	11.0 B	15
16	2.39B	11.0 B	6.60B	22.7	26.6	1.67	0.550	0.857	0.448	6.34	3.67	20.0 B	16
17	2.22B	9.60B	6.10B	26.9	17.0	1.54	0.534	0.838	0.425	3.75	3.31	39.7	17
18	4.00B	8.30B	15.0 B	40.3	26.8	1.32	0.468	0.784	0.420	2.55	8.21	23.6	18
19	5.48B	7.40B	40.2 B	29.3	32.9	1.28	0.428	1.27	0.400	2.47	30.5	68.7	19
20	4.50B	6.75B	33.8 B	18.3	23.2	1.38	0.450	1.14	0.549	3.28	55.6	47.8	20
21	3.80B	6.20B	28.0 B	19.2	16.0	1.45	0.426	1.02	2.07	2.79	46.9	34.7	21
22	3.40B	5.50B	25.0 B	22.3	18.6	1.65	0.395	0.883	1.09	2.11	33.1	55.5	22
23	3.00B	8.70B	26.5 B	17.6	59.5	1.61	0.419	0.780	1.69	1.84	26.8	70.9	23
24	2.58B	7.80B	30.0 B	13.8	66.0	2.16	0.576	0.714	2.78	4.61	24.5	101	24
25	2.38B	6.30B	23.0 B	11.1	37.2	2.17	15.7	0.660	1.76	9.75	27.2	94.6	25
26	6.20B	5.53B	16.0 B	9.71	20.2	1.86	11.7	0.633	1.10	6.85	21.9	56.1	26
27	50.0 B	5.00B	14.0 B	8.93	14.1	1.33	7.46	0.572	0.928	5.54	14.5	28.3	27
28	46.0 B	4.75B	10.0 B	9.17	11.0	1.19	5.29	0.555	0.811	5.07	11.4	19.9	28
29	34.0 B		8.20B	7.80	8.62	1.13	3.40	0.594	0.684	5.61	10.2	15.5 B	29
30	26.0 B		7.55	6.84	28.2	1.03	2.28	0.626	0.742	10.9	8.72	15.1	30
31	20.0 B		6.45		42.3		1.37	0.533		10.0		19.1	31
TOTAL	256.70	298.78	364.26	640.20	610.59	123.77	64.340	59.830	26.421	115.930	449.79	848.26	TOTAL
MEAN	8.28	10.7	11.8	21.3	19.7	4.13	2.08	1.93	0.881	3.74	15.0	27.4	MEAN
MAX	50.0	31.0	40.2	47.4	66.0	25.6	15.7	12.5	2.78	10.9	55.6	101	MAX
MIN	1.60	4.75	3.25	6.84	4.05	1.03	0.395	0.533	0.400	0.739	3.37	4.72	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.6
MAXIMUM DAILY, 101 ON DEC 24
MINIMUM DAILY, 0.395 ON JUL 22
MAXIMUM INSTANTANEOUS,
151 AT 21:30 AST ON DEC 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 56 37 N
LONG 065 10 13 W
DRAINAGE AREA, 391 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	22 200	JUL	5 560
FEB	25 800	AUG	5 170
MAR	31 500	SEP	2 280
APR	55 300	OCT	10 000
MAY	52 800	NOV	38 900
JUN	10 700	DEC	73 300

TOTAL DISCHARGE, 334 000 dam³

PISKAHEGAN STREAM NEAR PLEASANT MOUNTAIN - STATION NO. 01AQ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.02B	8.80B	2.86B	6.55B	4.18	12.7	2.08	1.59	0.336	2.55	6.50	5.52	1
2	1.32B	7.70B	2.68B	6.62B	3.88	9.04	1.70	1.75	0.323	2.65	5.36	4.70	2
3	2.00B	7.00B	2.48B	7.10B	3.49	6.68	1.36	1.53	0.343	2.44	4.79	4.04	3
4	3.10B	6.20B	2.32B	9.60B	3.00	5.23	1.21	1.23	0.287	2.11	4.38	7.05	4
5	4.35B	5.70B	2.18B	28.0 E	2.73	4.40	1.07	0.977	0.260	2.78	3.89	40.5	5
6	4.70B	5.25B	2.00B	27.0 B	3.73	3.57	0.840	0.761	0.239	3.09	4.20	34.3	6
7	4.00B	4.95B	1.91B	22.5	4.06	3.20	0.697	0.655	0.313	2.94	7.29	25.7	7
8	4.38B	4.65B	1.79B	13.8	3.60	4.27	0.637	0.584	0.704	2.56	7.42	15.3	8
9	2.90B	4.35B	1.72B	9.08	3.05	4.00	0.582	0.595	0.518	2.27	6.18	10.4	9
10	2.70B	6.20B	1.64B	7.71	2.52	3.37	0.566	0.578	0.461	3.09	5.11	5.70B	10
11	3.05B	10.0 B	1.68B	15.0	6.81	2.96	0.492	0.561	0.571	3.57	8.33	4.10B	11
12	3.10B	19.5 B	1.90B	19.3	10.3	2.46	0.438	1.31	0.553	3.52	9.84	3.35B	12
13	3.25B	16.0 B	4.50B	14.6	8.65	2.00	0.400	1.42	0.514	3.61	8.61	3.00B	13
14	3.00B	10.8 B	3.25B	10.4	22.4	1.56	0.352	1.65	0.469	4.32	6.92	2.75B	14
15	1.82B	8.00B	4.18B	9.84	21.6	1.34	0.308	1.63	0.750	4.43	5.75	2.60B	15
16	1.72B	6.50B	5.40B	23.6	14.7	1.17	0.272	1.32	5.53	4.17	4.89	3.00B	16
17	1.63B	5.50B	7.00B	26.4	9.57	1.03	0.277	1.07	6.53	3.59	4.33	5.00B	17
18	2.24B	4.90B	9.50B	25.7	9.74	0.843	0.248	0.856	4.86	3.08	4.50	8.34	18
19	4.40B	4.35B	16.5 B	19.4	11.0	1.61	0.224	1.27	3.21	4.07	4.83	19.9	19
20	8.00B	3.90B	23.2 B	13.0	10.0	2.50	0.206	1.25	3.12	6.17	5.17	19.4	20
21	5.80B	3.40B	19.0 B	11.9	8.31	2.28	0.189	1.13	5.03	5.64	4.97	15.9	21
22	4.20B	3.20B	17.0 B	13.6	9.00	2.56	0.160	0.909	4.60	4.59	4.54	15.6	22
23	3.40B	3.00B	15.2 B	11.8	17.4	4.56	0.184	0.714	6.71	3.72	4.38	22.7	23
24	3.00B	3.90B	13.8 B	9.66	24.7	8.18	0.248	0.623	8.80	15.4	5.89	37.7	24
25	2.78B	4.59B	12.5 B	8.14	21.1	10.0	1.62	0.541	7.60	32.9	7.90	38.6	25
26	4.40B	4.00B	11.4 B	7.09	13.4	8.58	6.29	0.489	5.79	27.9	8.89	33.7	26
27	24.7 B	3.65B	10.2 B	6.41	9.25	6.08	7.45	0.433	4.18	18.9	8.04	17.1	27
28	19.8 B	3.35B	9.40B	6.01	7.20	4.29	6.58	0.386	3.58	11.2	7.34	9.91	28
29	16.2 B		8.20B	5.49	5.70	3.15	4.29	0.444	2.70	8.98	6.98	8.01	29
30	12.2 B		7.30B	4.75	8.14	2.53	2.75	0.450	2.33	8.50	6.52	7.76	30
31	10.8 B		6.90B		14.8		1.91	0.382		7.64		7.10	31
TOTAL	167.96	178.34	227.59	400.05	298.01	123.843	45.630	29.088	80.911	212.38	183.74	438.73	TOTAL
MEAN	5.42	6.37	7.34	13.3	9.61	4.13	1.47	0.938	2.70	6.85	6.12	14.2	MEAN
MAX	24.7	19.5	23.2	28.0	24.7	12.7	7.45	1.75	8.80	32.9	9.84	40.5	MAX
MIN	1.02	3.00	1.64	4.75	2.52	0.843	0.160	0.382	0.239	2.11	3.89	2.60	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.54
MAXIMUM DAILY, 40.5 ON DEC 05
MINIMUM DAILY, 0.160 ON JUL 22
MAXIMUM INSTANTANEOUS,
54.5 AT 19:53 AST ON DEC 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 25 05 N
LONG 066 53 13 W
DRAINAGE AREA, 197 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	14 500	JUL	3 940
FEB	15 400	AUG	2 510
MAR	19 700	SEP	6 990
APR	34 600	OCT	18 300
MAY	25 700	NOV	15 900
JUN	10 700	DEC	37 900

TOTAL DISCHARGE, 206 000 dam³

REMARKS - PRIOR TO 1985 PUBLISHED AS "PISKAHEGAN RIVER".

NEW BRUNSWICK

POINT WOLFE RIVER AT FUNDY NATIONAL PARK - STATION NO. 01BV006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.37B	5.00B	1.80 B	4.62	5.40	7.99	0.690	1.01	1.17 E	3.51	8.58	6.10	1
2	2.00B	4.40B	1.60 B	4.65	5.02	6.37	0.626	1.19	1.07 E	3.29	7.06	5.61	2
3	2.41B	3.90B	1.42 B	7.06	4.61	5.50	0.553	0.827	1.45	3.48	6.33	5.22	3
4	1.80B	3.45B	1.30 B	40.4	4.26	5.85	0.571	0.593	1.23	2.82	5.78	4.95	4
5	2.00B	3.18B	1.21 B	33.5	3.84	5.69	0.565	0.479	1.08 E	9.11	5.08	42.0 E	5
6	1.72B	2.98B	1.12 B	19.7	6.41	4.56	0.458	0.394	1.06 E	5.49	6.19	31.0 E	6
7	1.52B	2.75B	1.02 B	13.8	5.15	3.87	0.395	0.307	1.61	4.22	10.7	21.0 E	7
8	1.38B	2.65B	0.950B	10.3	4.25	3.50	0.377	0.298	3.74	3.69	6.78	17.0 E	8
9	1.28B	2.45B	0.870B	8.42	3.88	3.05	0.429	0.459	1.75	3.61	5.60	12.2 E	9
10	1.18B	17.0 B	0.920B	7.90	3.33	2.70	0.458	0.362	1.46	6.18	5.10	9.20E	10
11	1.32B	10.5 B	1.30 B	35.7	7.73	2.39	0.340	0.387	1.35	4.81	10.9	7.00B	11
12	1.51B	7.20B	1.60 B	22.7	7.61	2.26	0.280	59.8 E	1.21	4.05	8.60	5.24B	12
13	1.42B	5.60B	2.15 B	13.1	5.21	2.11	0.258	15.2	1.05 E	5.56	6.49	4.78B	13
14	1.29B	4.50B	3.30 B	11.0	28.8	1.93	0.222	8.48	0.921E	7.01	5.66	4.25B	14
15	1.18B	3.80B	2.89	11.4	14.4	1.86	0.186	6.40	0.990E	7.58	5.27	4.20B	15
16	1.06B	3.30B	2.62	34.9	10.1	1.61	0.168	4.74	3.62	5.71	4.78	12.9	16
17	1.00B	2.70B	2.80	23.4	7.95	1.52	0.172	3.75	1.87	4.81	4.70	14.2	17
18	1.50B	2.32B	16.8	30.2	10.7	1.41	0.176	3.36	1.28	4.35	6.11	11.2	18
19	4.12B	2.08B	14.1	16.4	10.3	1.40	0.182	3.23	1.15 E	9.85	9.53	38.4	19
20	3.00B	1.89B	9.35	12.8	7.72	1.25	0.178	2.63	3.01	8.88	12.0	13.7 B	20
21	2.20B	1.70B	11.1	14.4	6.52	1.51	0.190	2.49	4.67	6.06	8.28	10.2 B	21
22	1.70B	2.70B	10.6	14.3	8.07	2.02	0.187	2.30	2.27	5.37	7.00	24.5	22
23	1.50B	3.50B	10.2	11.6	24.1	1.77	0.273	2.35	12.8	5.00	7.28	21.5	23
24	1.32B	4.40B	13.5	9.61	16.9	2.40	1.44	1.94	10.4	15.6	9.15	62.2 E	24
25	1.20B	7.00B	9.42	8.47	11.2	2.23	3.82	1.57	5.28	19.1	12.7	31.4	25
26	9.00B	5.40B	7.87	7.52	8.68	1.59	2.43	1.46	4.01	10.3	12.7	16.0	26
27	27.0 B	3.30B	6.90	7.79	7.12	1.25	1.65	1.35	3.34	8.51	8.85	11.5	27
28	18.0 B	2.50B	6.52	7.75	5.95	1.06	1.15	1.24	3.05	7.33	8.06	10.8 B	28
29	10.0 B		6.02	6.65	5.22	0.872	0.769	1.34	2.71	12.9	7.67	10.4 B	29
30	6.60B		5.50	5.73	14.2	0.764	0.557	1.44	2.65	19.1	6.89	10.3	30
31	5.60B		5.02		13.8		0.478	1.26		11.4		11.5	31
TOTAL	118.18	122.15	161.770	455.77	278.43	82.286	20.230	132.636	83.251	228.68	229.82	490.45	TOTAL
MEAN	3.81	4.36	5.22	15.2	8.98	2.74	0.653	4.28	2.78	7.38	7.66	15.8	MEAN
MAX	27.0	17.0	16.8	40.4	28.8	7.99	3.82	59.8	12.8	19.1	12.7	62.2	MAX
MIN	1.00	1.70	0.870	4.62	3.33	0.764	0.168	0.298	0.921	2.82	4.70	4.20	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.59
MAXIMUM DAILY, 62.2E ON DEC 24
MINIMUM DAILY, 0.168 ON JUL 16
MAXIMUM INSTANTANEOUS,
170E AT 15:58 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 33 32 N
LONG 065 01 02 W
DRAINAGE AREA, 130 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	10 200	JUL	1 750
FEB	10 600	AUG	11 500
MAR	14 000	SEP	7 190
APR	39 400	OCT	19 800
MAY	24 100	NOV	19 900
JUN	7 110	DEC	42 400

TOTAL DISCHARGE, 208 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 54.4 AND BELOW 1.20 BETWEEN AUGUST 13 AND DECEMBER 31 IS DUE TO CURVE EXTENSION

RENOUS RIVER AT MCGRAW BROOK - STATION NO. 01BO002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.80B	9.40B	3.70B	9.40B	82.1	23.7	4.86	9.05	6.87	11.0	19.4E	28.5	1
2	5.60B	8.80B	3.60B	12.5 B	100	18.8	4.67	10.2	6.22	12.5	17.8E	26.2	2
3	5.42B	8.40B	3.50B	16.5 B	84.2	15.6	4.40	8.85	5.57	11.1	17.7E	21.8	3
4	5.34B	8.00B	3.40B	20.0 B	59.7	14.0	4.54	7.33	5.28	9.60	17.0E	21.6	4
5	5.17B	7.55B	3.30B	25.4 B	46.3	15.3	4.31	6.27	4.90	11.0	16.0A	42.1	5
6	5.04B	7.15B	3.23B	37.5 B	48.6	13.4	3.86	5.65	4.80	11.8	15.6	41.6	6
7	4.92B	6.80B	3.17E	31.5 B	45.0	11.9	3.52	5.30	4.94	10.8	16.3	33.9	7
8	4.80B	6.50B	3.11E	28.0 B	36.0	10.8	3.71	5.12	5.57	10.1	15.0	30.0	8
9	4.67B	6.05B	3.06B	26.0 B	31.0	10.0	3.75	5.11	5.20	11.1	13.7	25.5	9
10	4.58B	6.70B	3.00B	24.0 B	27.4	9.85	3.93	4.74	4.77	16.8	13.6	20.9B	10
11	4.42B	6.40B	2.95B	22.5 B	35.5	9.06	3.88	10.7	4.37	16.4	49.0	20.0B	11
12	4.36B	6.00B	2.90B	21.0 B	42.3	8.41	3.67	80.2	4.09	14.9	52.9	18.2B	12
13	4.28B	5.80B	2.87B	19.5 B	31.5	7.64	3.22	49.2	3.88	15.2	33.5	17.5B	13
14	4.22B	5.57B	2.84B	25.0 B	26.5	7.12	2.77	39.5	3.72	30.5	25.9	16.4B	14
15	4.17B	5.30B	2.80B	48.0 B	23.2	6.39	2.57	42.9	3.94	32.1	21.8	15.9B	15
16	4.10B	5.13B	4.00B	65.0 B	20.8	6.05	2.49	30.6	18.9	25.4	18.9	15.3B	16
17	4.05B	4.96B	5.00B	75.3	18.4	5.70	2.83	22.5	15.4	20.1	19.7	14.7B	17
18	6.40B	4.78B	7.00B	81.7	27.0	5.40	2.71	17.4	11.1	17.2	24.2	19.5B	18
19	5.80B	4.60B	10.0 B	60.8	37.5	6.11	2.47	18.3	8.81	20.7	23.3	18.0B	19
20	5.40B	4.43B	14.0 B	55.1	28.6	6.42	2.37	15.6	7.60	33.0 E	31.9	16.5B	20
21	5.10B	4.38B	12.5 B	81.3	24.1	6.37	2.14	13.0	6.70	25.0 E	29.1	15.7B	21
22	4.90B	4.73B	11.8 B	81.7	29.8	6.46	1.80	11.5	5.93	22.8 E	24.2	18.0B	22
23	4.65B	4.59B	10.8 B	70.7	46.0	6.76	2.47	10.2	11.1 A	22.2 E	22.3	28.5B	23
24	4.45B	4.37B	13.0 B	70.6	38.9	10.6	14.8	9.03	12.3 A	21.5 A	24.9	36.0B	24
25	4.10B	4.18B	17.4 E	70.1	30.4	12.9	34.4	8.44	16.2 E	127 E	27.5	25.5B	25
26	7.00B	4.00B	15.5 B	70.1	25.2	9.90	48.1	7.99	12.6	87.4 E	26.6	22.5B	26
27	13.2 B	3.92B	14.2 B	106	22.2	8.07	26.7	7.39	10.3	56.4 E	21.0	19.5B	27
28	12.0 B	3.80B	13.0 B	137	19.7	6.87	17.0	9.30	9.10	42.9 E	23.1	17.2B	28
29	11.2 B		11.8 B	101	17.2	5.81	14.0	9.98	8.39	36.1 E	29.3	16.0B	29
30	10.5 B		10.7 B	77.4	23.8	5.19	10.8	9.15	8.12	29.2 E	34.5	15.4B	30
31	9.90B		10.0 B		32.1		8.73	7.94		23.2 E		14.8B	31
TOTAL	185.54	162.29	228.13	1 570.60	1 161.0	290.58	251.47	498.44	246.67	903.00	723.6	693.2	TOTAL
MEAN	5.99	5.80	7.36	52.4	37.5	9.69	8.11	16.1	8.22	29.1	24.1	22.4	MEAN
MAX	13.2	9.40	17.4	137	100	23.7	48.1	80.2	22.3	127	52.9	42.1	MAX
MIN	4.05	3.80	2.80	9.40	17.2	5.19	1.80	4.74	3.72	9.60	13.6	14.7	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.9
MAXIMUM DAILY, 137 ON APR 28
MINIMUM DAILY, 1.80 ON JUL 22
MAXIMUM INSTANTANEOUS,
162 ON OCT 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 49 17 N
LONG 066 06 53 W
DRAINAGE AREA, 611 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 000	JUL	21 700
FEB	14 000	AUG	43 100
MAR	19 700	SEP	21 300
APR	136 000	OCT	78 000
MAY	100 000	NOV	62 500
JUN	25 100	DEC	59 900

TOTAL DISCHARGE, 597 000 dam³

RESTIGOUCHE RIVER ABOVE RAFTING GROUND BROOK - STATION NO. 01BJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.0B	30.0B	24.8B	42.6B	1 070	209	71.1	47.7	53.5	75.5	315	236	1
2	27.8B	29.3B	24.4B	41.7B	1 280	193	67.4	47.8	50.1	95.8	281	250	2
3	27.6B	28.6B	24.0B	42.5B	1 340	180	65.9	46.2	47.4	101	255	232	3
4	27.4B	27.9B	23.6B	47.0B	1 010	172	66.7	43.1	45.2	96.1	242	226	4
5	27.2B	27.5B	23.2B	52.0B	774	166	68.4	41.4	44.0	95.4	246	202	5
6	27.0B	26.9B	22.8B	85.0B	656	155	63.0	39.5	42.4	99.1	232	225	6
7	26.8B	26.5B	22.4B	120 B	595	145	58.7	38.9	42.2	100	218	209	7
8	26.6B	26.2B	22.0B	245 B	524	138	55.9	38.4	47.1	114	199	184	8
9	26.5B	25.8B	21.6B	240 B	464	130	55.6	37.6	48.1	151	184	189	9
10	26.4B	25.5B	21.3B	235 B	424	122	63.2	37.3	44.8	234	174	174	10
11	26.3B	25.2B	21.0B	225 B	401	116	67.5	37.1	41.8	297	195	153	11
12	26.2B	24.9B	20.7B	205 B	401	107	60.8	47.7	39.8	290	214	124	12
13	26.1B	24.6B	20.4B	195 B	359	101	54.4	50.0	39.0	294	193	116	13
14	26.0B	24.4B	20.1B	180 B	328	96.4	50.8	96.4	38.3	446	183	111	14
15	25.9B	24.2B	19.8B	172 B	299	90.8	48.4	177	38.6	685	171	105 B	15
16	26.0B	24.0B	19.5B	180 B	280	93.4	46.9	132	52.0	544	163	97.5B	16
17	26.4B	23.8B	19.2B	215 B	262	90.2	47.6	104	60.4	447	173	92.5B	17
18	27.0B	23.6B	18.9B	463	258	82.3	48.9	91.0	52.9	390	191	108 B	18
19	27.1B	23.4B	18.6B	252	281	82.2	48.4	88.4	47.1	369	184	127 B	19
20	26.9B	23.3B	18.3B	243	269	85.1	47.1	83.4	44.3	431	192	118 B	20
21	26.7B	23.0B	23.0B	302	253	86.4	46.1	75.7	43.9	410	186	114 B	21
22	26.6B	24.0B	35.0B	460	264	81.3	43.8	70.0	43.4	371	175	112 B	22
23	26.7B	26.2B	47.0B	515	376	82.5	42.1	64.0	46.6	339	174	110 B	23
24	27.6B	27.5B	48.0B	600	439	89.3	49.6	60.1	104	430	182	150 B	24
25	28.5B	26.5B	48.5B	612	417	103	77.9	57.8	126	1 190	196	135 B	25
26	29.8B	26.0B	48.3B	612	373	101	83.4	56.1	103	954	200	115 B	26
27	31.0B	25.6B	48.0B	825	332	90.5	67.8	54.8	90.1	689	183	108 B	27
28	31.5B	25.2B	47.0B	1 330	297	84.9	59.0	58.5	82.7	543	186	100 B	28
29	31.2B		46.0B	1 360	269	83.3	55.9	70.8	76.9	464	197	97.0B	29
30	31.0B		44.0B	1 100	245	78.8	51.9	67.1	73.7	407	235	104 B	30
31	30.5B		43.5B		228		49.0	58.7		357		110 B	31
TOTAL	856.3	719.6	904.9	11 196.8	14 768	3 433.4	1 783.2	2 018.5	1 709.4	11 504.9	6 119	4 534.0	TOTAL
MEAN	27.6	25.7	29.2	373	476	114	57.5	65.1	57.0	371	204	146	MEAN
MAX	31.5	30.0	48.5	1 360	1 340	209	83.4	177	126	1 190	315	250	MAX
MIN	25.9	23.0	18.3	41.7	228	76.8	42.1	37.1	38.3	75.5	163	92.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 163
MAXIMUM DAILY, 1 360 ON APR 29
MINIMUM DAILY, 18.3B ON MAR 20
MAXIMUM INSTANTANEOUS
1 470 AT 00:11 AST ON APR 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 54 29 N
LONG 066 56 51 W
DRAINAGE AREA, 7 740 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	74 000	JUL	154 000
FEB	62 200	AUG	174 000
MAR	78 200	SEP	148 000
APR	967 000	OCT	994 000
MAY	1 280 000	NOV	529 000
JUN	297 000	DEC	392 000

TOTAL DISCHARGE, 5 150 000 dam³

RESTIGOUCHE RIVER BELOW KEDGWICK RIVER - STATION NO. 01BC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.0B	14.2B	11.5 B	22.0B	471	96.4	34.2	15.9	21.6	47.2	129	92.1	1
2	12.9B	13.8B	11.2 B	21.0B	606	88.2	32.9	15.5	19.7	59.0	114	100	2
3	12.8B	13.5B	11.0 B	22.5B	608	81.9	31.6	14.8	18.6	57.0	106	92.4	3
4	12.7B	13.2B	10.9 B	26.9B	434	78.4	34.1	14.0	17.9	53.1	99.8	110 B	4
5	12.7B	12.9B	10.7 B	30.0B	328	74.5	32.3	13.3	17.3	56.0	104	96.0B	5
6	12.6B	12.7B	10.5 B	44.0B	279	68.5	29.5	13.0	16.9	56.1	95.1	88.0B	6
7	12.5B	12.5B	10.4 B	50.0B	253	62.5	28.2	12.8	16.8	55.2	86.8	82.0B	7
8	12.4B	12.3B	10.3 B	128 B	220	58.5	28.2	13.3	20.5	66.5	79.7	76.0B	8
9	12.3B	12.2B	10.1 B	125 B	196	55.0	27.9	14.0	19.5	83.7	74.1	74.0B	9
10	12.2B	12.1B	9.90B	115 B	180	56.1	31.5	13.5	17.2	137	71.1	70.0B	10
11	12.2B	12.0B	9.80B	110 B	178	51.0	31.0	13.5	16.4	156	74.8	67.0B	11
12	12.2B	11.9B	9.70B	100 B	180	46.6	27.1	15.0	15.6	154	76.2	64.0B	12
13	12.2B	11.8B	9.60B	90.0B	161	42.7	24.6	16.1	14.8	156	68.9	62.0B	13
14	12.1B	11.7B	9.50B	88.0	144	40.1	22.6	46.4	14.7	237	68.2	58.0B	14
15	12.0B	11.6B	9.30B	72.8	131	39.2	21.4	59.5	15.7	298	63.6	55.0B	15
16	11.9B	11.5B	9.10B	77.0	123	42.1	21.0	39.8	24.5	239	60.5	51.0B	16
17	11.8B	11.4B	9.00B	102	115	37.8	21.9	32.0	25.1	197	67.1	53.0B	17
18	12.3B	11.3B	8.90B	113	117	35.9	22.0	28.7	20.3	171	72.5	68.0B	18
19	12.8B	11.2B	8.70B	105	129	37.7	20.9	29.0	18.4	172	66.4	71.0B	19
20	12.8B	11.1B	8.60B	109	116	39.2	20.8	26.9	17.4	209	67.6	64.0B	20
21	12.7B	11.0B	11.0 B	139	109	37.5	20.2	24.6	18.1	187	64.1	62.0B	21
22	12.6B	12.1B	14.5 B	177	132	37.0	18.5	23.0	17.4	171	60.8	63.0B	22
23	12.7B	12.5B	21.0 B	218	219	39.0	18.7	21.8	31.0	155	60.1	74.0B	23
24	12.9B	13.0B	26.0 B	246	245	42.8	25.4	20.6	77.0	213	62.5	84.0B	24
25	13.2B	12.8B	26.0 B	277	223	50.4	29.5	20.2	60.9	479	70.4	68.0B	25
26	14.0B	12.4B	26.1 B	278	192	45.7	26.5	19.3	49.3	376	68.6	60.0B	26
27	14.4B	12.1B	25.9 B	378	169	41.4	22.2	18.9	43.8	282	59.5	56.0B	27
28	14.8B	12.0B	25.0 B	628	147	41.3	20.8	29.9	40.3	226	67.5	54.0B	28
29	14.9B		24.0 B	625	132	38.8	19.7	32.6	38.1	194	74.8	58.0B	29
30	14.7B		23.5 B	487	119	36.1	18.0	27.5	36.9	170	93.6	61.0B	30
31	14.5B		22.8 B		107		16.5	24.0		147		64.0B	31
TOTAL	399.8	342.8	444.50	5 004.2	6 763	1 542.3	779.7	709.4	781.7	5 259.5	2 327.3	2 197.5	TOTAL
MEAN	12.9	12.2	14.3	167	218	51.4	25.2	22.9	26.1	170	77.6	70.9	MEAN
MAX	14.9	14.2	26.1	628	608	96.4	34.2	59.5	77.0	479	129	110	MAX
MIN	11.8	11.0	8.60	21.0	107	35.9	16.5	12.8	14.7	47.2	59.5	51.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.7
MAXIMUM DAILY, 628 ON APR 28
MINIMUM DAILY, 8.60B ON MAR 20
MAXIMUM INSTANTANEOUS
685 AT 22:06 AST ON MAY 02

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 40 00 N
LONG 067 29 03 W
DRAINAGE AREA, 3 160 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	34 500	JUL	67 400
FEB	29 600	AUG	61 300
MAR	38 400	SEP	67 500
APR	432 000	OCT	454 000
MAY	584 000	NOV	201 000
JUN	133 000	DEC	190 000

TOTAL DISCHARGE, 2 290 000 dam³

NEW BRUNSWICK

RIVIERE CARAQUET AT BURNSVILLE - STATION NO. 01BL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.740B	1.30 B	0.749B	0.920B	14.6	5.42	1.88	2.01	2.54	1.54	3.47	5.33	1
2	0.920B	1.27 B	0.740B	0.900B	17.8	4.84	1.78	3.17	2.44	1.54	3.26	4.91	2
3	0.890B	1.21 B	0.733B	2.00 B	14.3	4.36	1.77	2.86	2.34	1.46	3.18	4.59	3
4	0.871B	1.18 B	0.727B	1.50 B	10.1	4.23	1.79	2.81	2.19	1.54	3.15	4.37	4
5	0.851B	1.14 B	0.724B	10.0 B	8.34	4.76	1.80	2.15	2.11	1.44	3.09	6.35	5
6	0.831B	1.11 B	0.720B	13.0	9.21	4.21	1.70	1.84	2.11	1.42	2.92	6.40	6
7	0.811B	1.08 B	0.718B	11.0	9.99	3.90	1.61	1.59	2.24	1.39	3.38	5.77	7
8	0.791B	1.05 B	0.715B	7.93	8.24	3.72	1.60	1.49	2.45	1.63	3.11	5.33	8
9	0.771B	1.02 B	0.712B	6.83	7.12	3.53	1.60	1.58	2.31	1.95	2.97	4.95	9
10	0.751B	1.00 B	0.715B	6.38	6.45	3.44	1.74	1.53	2.09	2.98	2.85	4.68	10
11	0.731B	0.990B	0.740B	5.63	6.15	3.28	1.61	4.33	2.06	2.58	8.85	4.42	11
12	0.715B	0.970B	0.760B	5.13	6.15	3.04	1.44	40.5	1.89	2.46	12.2	4.24B	12
13	0.700B	0.935B	0.740B	4.75	5.57	2.86	1.34	19.0	1.84	2.63	7.33	4.04B	13
14	0.685B	0.917B	0.720B	4.65	5.18	2.66	1.38	18.5	1.84	4.18	5.77	3.86	14
15	0.670B	0.900B	0.860B	5.86	4.87	2.57	1.26	22.0	1.84	5.05	4.88	3.78B	15
16	0.655B	0.892B	0.800B	12.8	4.64	2.52	1.24	10.0	2.03	3.99	4.57	3.69B	16
17	0.640B	0.881B	0.900B	18.2	4.49	2.49	1.29	6.50	1.93	3.44	4.90	3.60B	17
18	0.740B	0.870B	1.00 B	17.2	5.39	2.39	1.23	5.30	1.75	2.77	5.80	4.00B	18
19	0.870B	0.859B	1.10 B	12.9	8.35	2.45	1.22	5.28	1.56	2.72	6.21	3.92B	19
20	0.850B	0.848B	1.05 B	12.1	8.84	3.24	1.16	4.52	1.60	2.69	14.8	3.75B	20
21	0.832B	0.837B	0.980B	23.4	8.26	3.62	1.10	4.07	1.66	2.43	14.7	3.65B	21
22	0.814B	0.826B	0.920B	24.1	11.0	3.26	1.15	3.74	1.67	2.17	11.1	3.82B	22
23	0.796B	0.815B	1.02 B	18.0	11.5	3.49	1.29	3.50	2.00	2.04	9.51	4.16	23
24	0.778B	0.804B	1.15 B	15.8	8.14	3.59	3.77	3.29	2.24	8.45	8.37	3.95B	24
25	0.760B	0.793B	1.23 B	14.5	6.60	3.55	4.68	3.10	1.98	25.5	10.2	3.75B	25
26	1.05 B	0.782B	1.14 B	14.4	5.77	3.01	5.47	2.88	1.76	11.9	9.47	3.50B	26
27	1.35 B	0.771B	1.09 B	18.5	5.28	2.52	4.13	2.81	1.68	7.01	7.08	3.30B	27
28	1.70 B	0.760B	1.05 B	20.6	4.96	2.30	2.94	3.24	1.58	5.33	6.54	3.20B	28
29	1.50 B		1.01 B	16.0	4.71	2.20	2.18	3.48	1.49	4.54	6.12	3.10B	29
30	1.45 B		0.980B	13.2	5.46	2.04	1.82	3.26	1.51	4.09	5.89	3.00B	30
31	1.40 B		0.950B		6.38		1.59	2.87		3.77		2.95B	31
TOTAL	27.913	26.810	27.463	340.180	244.04	99.49	60.56	194.22	58.73	126.41	195.67	130.36	TOTAL
MEAN	0.900	0.958	0.886	11.3	7.87	3.32	1.95	6.27	1.96	4.08	6.52	4.21	MEAN
MAX	1.70	1.30	1.23	24.1	17.8	5.42	5.47	40.5	2.54	25.5	14.8	6.40	MAX
MIN	0.640	0.760	0.712	0.900	4.49	2.04	1.10	1.49	1.49	1.39	2.85	2.95	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.20
MAXIMUM DAILY, 40.5 ON AUG 12
MINIMUM DAILY, 0.640B ON JAN 17
MAXIMUM INSTANTANEOUS,
48.5 AT 11:25 AST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 42 20 N
LONG 065 09 18 W
DRAINAGE AREA, 173 km²

B - ICF CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 410	JUL	5 230
FEB	2 320	AUG	16 800
MAR	2 370	SEP	5 070
APR	29 400	OCT	10 900
MAY	21 100	NOV	16 900
JUN	8 600	DEC	11 300

TOTAL DISCHARGE, 132 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "SOUTHWEST CARAQUET RIVER AT BURNSVILLE" TO 1985

SAINT JOHN RIVER AT EDMUNDSTON - STATION NO. 01AD004

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	135.111	135.835	135.417	135.995	138.139	135.412	135.027	134.649	134.837	135.001	135.940	136.100	1
2	135.066	135.840	135.388	135.876	137.867	135.361	134.971	134.575	134.771	135.780A	135.825	135.991	2
3	135.092	135.795	135.408	135.843	137.577	135.312	134.923	134.539	134.708	136.020	135.731	135.852	3
4	135.109	135.780	135.319	135.889	137.201	135.283	134.895	134.535A	134.664	135.804	135.690	135.690	4
5	135.061	135.715	135.386	136.157	136.872	135.299	134.874	---	134.566	135.607	135.716	135.507	5
6	135.090	135.661	135.246	136.605	136.621	135.276	134.826	---	134.568	135.532	135.712	135.491	6
7	135.117	135.703	135.281	136.669	136.490	135.234	134.848	---	134.552	135.524	135.725	135.468	7
8	135.080	135.668	135.241	136.627	136.370	135.225	134.818	---	134.573	135.452	135.669	135.516	8
9	135.122	135.614	135.173	136.344	136.245	135.181	134.771	---	134.556	135.463	135.595	135.503	9
10	135.157	135.549	135.268	136.116	136.140	135.153	134.744	---	134.518	135.559	135.526	135.440	10
11	135.185	135.594	135.127	135.979	136.083	135.127	134.744	---	134.521	135.761	135.534	135.365	11
12	135.187	135.554	135.172	135.879	136.095	135.207	134.682	---	134.518	135.838	135.518	135.257	12
13	135.214	135.532	135.163	135.837	136.079	135.436	134.659	---	134.502	135.898	135.465	135.229	13
14	135.229	135.623	135.132	135.807	135.997	135.354	134.651	---	134.483	136.038	135.452	135.210	14
15	135.180	135.636	135.123	135.769	135.860	135.223	134.586	---	134.465	136.149	135.404	135.546	15
16	135.143	135.619	135.231	135.751	135.776	135.263	134.556	---	134.454	136.078	135.416	136.068	16
17	135.146	135.642	135.366	135.812	135.730	135.213	134.574	---	134.445	135.945	135.428	136.303	17
18	135.170	135.594	135.620	135.869	135.655	135.196	134.559	---	134.451	135.832	135.533	136.232	18
19	135.190	135.555	136.222	135.895	135.820	135.176	134.546	---	134.501	135.760	135.727	135.977	19
20	135.203	135.539	136.759	135.951	136.060	135.711	134.547	---	134.535	135.749	135.704	136.313	20
21	135.223	135.469	137.064	136.177	136.094	135.842	134.511	---	134.525	135.746	135.620	137.368	21
22	135.350	135.499	137.126	136.605	136.060	135.686	134.504	---	134.523	135.736	135.527	137.694	22
23	135.623	135.520	137.049	137.110	136.189	135.534	134.567	---	134.637	135.652	135.469	137.586	23
24	135.690	135.500	136.924	137.479	136.277	135.442	134.569	---	134.899	135.729	135.442	137.685	24
25	135.698	135.488	136.737	137.687	136.179	135.423	134.628	---	135.314	136.314	135.431	138.693	25
26	135.683	135.436	136.618	137.745	136.052	135.399	134.858	---	135.279	136.956	135.428	139.443	26
27	135.664	135.441	136.459	137.826	135.924	135.339	134.945	---	135.129	136.778	135.394	140.011	27
28	135.623	135.444	136.286	138.429	135.793	135.251	134.836	---	134.997	136.479	135.381	139.706	28
29	135.623		136.186	138.899	135.698	135.164	134.763	134.635A	134.898	136.256	135.449	139.439	29
30	135.739		136.090	138.542	135.604	135.106	134.697	134.664	134.856	136.129	135.844	139.606	30
31	135.800		136.032		135.521		134.657	134.752		136.022		139.277	31
MEAN	135.309	135.602	135.826	136.572	136.260	135.328	134.721	---	134.676	135.890	135.577	136.798	MEAN
MAX	135.800	135.840	137.126	138.899	138.139	135.842	135.027	---	135.314	136.956	135.940	140.011	MAX
MIN	135.061	135.436	135.123	135.751	135.521	135.106	134.504	---	134.445	135.001	135.381	135.210	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 140.011 ON DEC 27
MINIMUM DAILY, 134.445 ON SEP 17
MAXIMUM INSTANTANEOUS,
140.788 AT 00:17 AST ON DEC 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 21 40 N
LONG 068 19 38 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
15 500 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

SAINT JOHN RIVER AT FORT KENT - STATION NO. 01AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	53.0B	139 B	74.2B	272B	1 740	292E	182	68.0	151	228	493	609	1
2	51.8B	134 B	72.2B	262B	1 550	266	165	59.7	129	626	450	544	2
3	51.3B	126 B	70.5B	269B	1 340	246	150 E	53.2	108	634	416	459	3
4	51.3B	119 B	68.2B	292	1 080	242	144 E	48.4	92.0	515	402	377	4
5	51.5B	112 B	66.5B	354	883	250	138	45.0	81.0	422	413	297	5
6	51.8B	106 B	64.3B	476	756	244	135	42.5E	73.6	405	425	294B	6
7	52.4B	101 B	62.6B	617	691	242	135	41.9E	69.9	394	416	297B	7
8	53.2B	97.7B	60.6B	680	637	230	126	42.3E	69.7	365	388	297B	8
9	53.8B	93.2B	58.3B	643	575	215	116	56.4	69.4	360	357	289B	9
10	54.7B	90.6B	56.9B	597	538E	204	110	140	66.0	405	331	283B	10
11	60.9B	89.2B	56.4B	541	515E	198	101	148	65.1	513	340	264	11
12	62.3B	88.1B	56.6B	501	558E	270	92.0	132	62.9	530	320	235	12
13	62.6B	90.6B	61.4B	484	547E	337	84.4	169	58.3	558	300	227	13
14	62.0B	94.6B	76.5B	470	484E	286	76.2	317	54.7	646	303	216B	14
15	61.4B	96.3B	99.1B	439	442E	238	68.8	946	52.7	685	286	213	15
16	59.2B	97.4B	133 B	430	408E	249	64.3	733	51.5	648	292	210	16
17	58.9B	96.3B	195 B	462	391E	236	60.0	513	51.0	580	306	207	17
18	58.9B	93.2B	309 B	493	419E	219	56.4	362	58.6	518	377	204B	18
19	59.2B	89.5B	510 B	504	552E	248	54.4	279	73.6	493	453	204B	19
20	59.5B	86.1B	793 B	524	668E	532	52.4	274	69.7	487	430	204B	20
21	62.9B	83.8B	779 B	646	634E	532	51.3	253	64.3	496	391	212	21
22	92.0B	81.6B	759 B	915	592E	442	49.6	202	59.7	467	345	224	22
23	112 B	78.7B	668 B	1 220	697E	374	51.5	165	82.7	425	323	264	23
24	125 B	76.7B	609 B	1 450	736E	340	62.6	138	195	453	311	348	24
25	123 B	76.5B	544 B	1 600	651E	334	97.7	120	334	864	306	467B	25
26	116 B	76.5B	496 B	1 610	561E	326	169	106	289	1 140	314	513B	26
27	112 B	77.6B	442 B	1 640	487E	303	150	95.7	230	974	297	510B	27
28	109 B	76.2B	396 B	1 130	425E	269	124	87.5	187	787	289	467B	28
29	119 B		348 B	2 350	379E	234	104	92.0	161	665	311	416B	29
30	135 B		323 B	2 040	340E	209	89.2	110	150	592	555	385B	30
31	140 B		292 B		317E		78.7	141		544		360B	31
TOTAL	2 375.6	2 667.4	8 600.3	24 911	20 601	8 607	3 138.5	5 983.6	3 260.4	17 419	10 960	10 098	TOTAL
MEAN	76.6	95.3	277	830	665	287	101	193	109	562	365	326	MEAN
MAX	140	139	793	2 350	1 740	532	182	946	334	1 140	555	609	MAX
MIN	51.3	76.2	56.4	262	317	198	49.6	41.9	51.0	228	286	204	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

MEAN, 325
MAXIMUM DAILY, 2 350 ON APR 29
MINIMUM DAILY, 41.9E ON AUG 07
MAXIMUM INSTANTANEOUS
2 420 AT 05:00 EST ON APR 29

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 15 25 N
LONG 068 35 35 W
DRAINAGE AREA, 14 700 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	205 000	JUL	271 000
FEB	230 000	AUG	517 000
MAR	743 000	SEP	202 000
APR	2 150 000	OCT	1 510 000
MAY	1 780 000	NOV	947 000
JUN	744 000	DEC	872 000

TOTAL DISCHARGE, 10 300 000 dam³

SAINT JOHN RIVER AT FREDERICTON - STATION NO. 01AK003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.171	2.135	1.547	2.952	5.490	2.621	1.717	1.685	1.239	1.371	3.828	3.216	1
2	1.190	2.026	1.493	3.085	5.150	2.844	1.655	1.638	1.230	1.840	3.658	3.045	2
3	1.262	1.902	1.475	2.919	5.016	2.940A	1.631	1.425	1.097	2.039	3.270	2.868	3
4	1.220	1.987	1.407	2.938	4.902	---	1.666	1.387	1.105	2.084	2.785	3.099	4
5	1.212	1.924	1.619	3.915	4.505	---	1.530	1.341	1.314	2.112	2.925	3.476	5
6	1.172	1.948	1.751	3.961	4.395	2.328	1.501	1.362	1.208	2.048	3.057	3.450	6
7	1.159	1.957	1.748	3.767	4.239	2.429	1.484	1.406	1.379	2.050	3.097	3.251	7
8	1.275	1.884	2.164	4.004	4.113	2.228	1.345	1.258	1.208	2.077	2.941	3.090	8
9	1.467A	2.025	1.511	3.908	3.799	2.049	1.475	1.228	1.234	2.092	2.830	2.969	9
10	1.282A	2.109	1.361	3.935	3.446	1.778	1.562	1.214	1.208	2.436	2.505	2.927	10
11	1.335	1.950	1.289	3.508	3.477	1.834	1.379	1.271	1.119	2.564	2.971	2.830	11
12	1.497	2.143	1.269	3.667	3.216	1.849	1.541	2.380	1.155	2.662	3.590	2.636	12
13	1.559	2.198	1.280	3.880	3.291	2.012	1.360	2.508	1.115	2.720	3.042	2.455	13
14	1.398	1.879	1.315	3.878	3.312	2.247	1.217	2.253	1.180	2.932	3.016	2.461	14
15	1.560	2.042	1.443	3.686	3.214	2.076	1.178	2.567	1.217	3.082	2.850	2.691	15
16	1.554	2.017	2.041	3.747	2.785	1.772	1.372	2.767	1.332	3.295	2.789	2.423	16
17	1.568	1.939	2.655	4.140	3.022	1.892	1.167	2.469	1.259	3.362	2.717	2.462	17
18	1.575	1.581	2.867	4.139	3.048	1.798	1.498	2.093	1.232	3.309	2.754	2.593	18
19	1.364	1.616	2.484A	3.923	2.733	1.579	1.295	1.940	1.203	3.282	2.790	2.585	19
20	1.220	1.666	2.511A	4.167	2.983	1.704	1.156	1.988	1.351	3.270	---	3.003	20
21	1.253	1.865	2.500	4.077	2.868	1.698	1.131	1.895	1.198	3.246	---	3.347	21
22	1.557	1.400	3.011	4.254	2.716	1.939	1.136	1.993	1.200	3.179	---	2.871	22
23	1.351	1.359	3.024	4.276	2.193	2.089	1.155	1.707	1.302	3.172	---	2.963	23
24	1.391	1.518	2.916	4.270	1.977	2.043	1.221	1.629	1.636	3.311	---	3.690	24
25	1.505	1.434	3.025	4.402	1.930	2.240	1.665	1.537	1.807	4.924	---	4.099	25
26	2.013	1.661	3.376	5.046	2.015	2.241	2.262	1.417	1.685	5.155	2.940A	3.681	26
27	2.102	1.962	3.155	5.107	2.230	2.374	2.012	1.456	1.668	4.810	5.633	3.768	27
28	1.890	1.582	3.170	5.309	2.389	2.226	1.928	1.348	1.468	4.465	5.688	4.291	28
29	2.004		3.194A	5.649	2.587	2.330	1.804	1.635	1.440	4.081	5.705	3.997	29
30	2.496		3.274A	5.707	2.629	2.016	1.663	1.565	1.362	3.811	2.954	3.568	30
31	2.183		3.362		2.446		1.568	1.528		3.745		3.848	31
MEAN	1.509	1.843	2.233	4.074	3.294	---	1.493	1.738	1.308	3.049	---	3.150	MEAN
MAX	2.496	2.198	3.376	5.707	5.490	---	2.262	2.767	1.807	5.155	---	4.291	MAX
MIN	1.159	1.359	1.269	2.919	1.930	---	1.131	1.214	1.097	1.371	---	2.423	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 5.707 ON APR 30
MINIMUM DAILY, 1.097 ON SEP 03
MAXIMUM INSTANTANEOUS
5.790 AT 08:35 AST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 57 54 N
LONG 066 38 42 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

SAINT JOHN RIVER AT GRAND FALLS - STATION NO. 01AF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.7B	149 B	101 B	378	2 540	469	259	189	130	235	759	802	1
2	54.4B	173 B	115 B	360	2 320	438	236	111	152	520	694	787	2
3	61.0B	156 B	104 B	328	2 180	409	218	43.3	134	766	641	690	3
4	50.8B	154 B	109 B	380	1 810	413	211	48.9	152	648	614	599	4
5	76.6B	168 B	93.0B	469	1 510	408	212	37.2	127	568	642	479	5
6	37.2B	150 B	118 B	578	1 300	390	201	85.4	75.9	487	634	478	6
7	51.1B	141 B	105 B	739	1 170	341	182	75.5	125	496	620	480	7
8	47.8B	144 B	102 B	820	1 070	356	186	57.5	126	468	600	497	8
9	70.1B	140 B	59.3B	898	980	323	192	78.4	101	481	540	510	9
10	42.5B	183 B	72.9B	873	883	330	176	141	81.3	571	512	491	10
11	74.0B	52.7B	70.1B	787	853	307	169	181	99.7	647	597	391B	11
12	75.1B	126 B	79.8B	687	852	301	153	191	73.1	711	576	312B	12
13	61.3B	118 B	85.8B	658	842	416	137	205	89.8	769	497	313B	13
14	63.9B	147 B	93.0B	646	794	402	129	264	107	1 040	470	334B	14
15	108 B	136 B	111 B	657	710	354	142	710	136	1 100	480	299B	15
16	47.0B	120 B	153 B	652	657	336	100	908	108	978	457	294B	16
17	75.9B	155 B	165 B	739	616	345	103	666	43.3	838	483	321	17
18	63.8B	153 B	148 B	737	585	325	119	489	69.5	743	517	322	18
19	54.9B	124 B	204 B	756	629	332	91.2	369	94.6	739	609	344B	19
20	48.4B	143 B	387 B	776	742	461	88.2	316	109	743	609	338B	20
21	80.2B	131 B	590 B	928	802	628	93.3	320	102	687	561	291B	21
22	87.5B	104 B	699 B	1 170	796	563	79.0	265	103	675	504	294B	22
23	93.8B	109 B	722	1 500	956	489	122	229	148	624	483	268B	23
24	144 B	90.4B	692	1 800	1 030	449	165	192	235	818	476	472	24
25	138 B	109 B	622	2 030	971	441	188	157	381	1 220	486	508	25
26	198 B	138 B	570	2 140	861	430	222	135	396	1 530	483	587	26
27	187 B	133 B	528	2 200	773	412	213	135	326	1 430	448	618	27
28	50.6B	33.5B	462	2 580	685	365	127	159	265	1 200	450	588	28
29	115 B		433	3 100	628	319	136	193	228	1 040	491	503	29
30	144 B		458	2 940	578	301	123	184	215	912	625	528	30
31	158 B		423		526		159	147		839		521	31
TOTAL	2 576.6	3 620.6	8 674.9	33 275	31 649	11 853	4 931.7	7 282.2	4 533.2	24 523	16 558	14 259	TOTAL
MEAN	83.1	129	280	1 110	1 020	395	159	235	151	791	552	460	MEAN
MAX	198	183	722	3 100	2 540	628	259	908	396	1 530	759	802	MAX
MIN	16.7	33.5	59.3	328	526	301	79.0	37.2	43.3	235	448	268	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 449
MAXIMUM DAILY, 3 100 ON APR 29
MINIMUM DAILY, 16.7B ON JAN 01
MAXIMUM INSTANTANEOUS,
3 170 AT 20:27 AST ON APR 29

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 02 24 N
LONG 067 44 30 W
DRAINAGE AREA, 21 900 km²

B - ICE CONDITIONS

REGULATED SINCE 1930

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	223 000	JUL	426 000
FEB	313 000	AUG	629 000
MAR	750 000	SEP	392 000
APR	2 870 000	OCT	2 120 000
MAY	2 730 000	NOV	1 430 000
JUN	1 020 000	DEC	1 230 000

TOTAL DISCHARGE, 14 100 000 dam³

SAINT JOHN RIVER AT HARTLAND SALMON POOL - STATION NO. 01AJ008

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	40.694	41.406	40.644	41.467	43.802	41.025	40.345	40.511	40.410	40.539	41.633	41.544	1
2	40.701	41.412	40.658	41.431	43.456	41.166	40.539	40.365	40.371	40.888	41.386	41.552	2
3	40.817	41.305	40.856	41.399	43.414	40.928	40.563	40.277	40.456	41.015	41.227	41.401	3
4	40.811	41.344	40.876	41.653	42.967	40.929	40.519	40.291	40.518	41.059	41.177	41.295	4
5	41.030	41.318	40.933	42.594	42.639	40.896	40.555	40.351	40.537	41.067	41.365	41.216	5
6	41.120	41.293	40.956	42.461	42.308	40.745	40.631	40.338	40.444	40.789	41.316	41.140	6
7	41.075	41.157	40.754	42.263	42.049	40.563	40.571	40.238	40.419	40.838	41.242	41.121	7
8	40.932	41.281	41.004	42.177	41.874	40.569	40.696	40.180	40.373	40.830	41.151	41.144	8
9	41.098	41.373	40.211	42.051	41.667	40.346	40.570	40.182	40.434	40.692	41.065	41.184	9
10	40.935	41.452	40.213	41.943	41.545	40.506	40.393	40.281	40.398	40.904	41.151	41.185	10
11	41.052	41.019	40.268	41.654	41.517	40.665	40.402	40.665	40.409	---	41.408	41.159	11
12	41.290	40.864	40.526	41.485	41.566	40.640	40.282	41.059	40.471	---	41.793	---	12
13	40.969	41.115	40.530	41.371	41.557	40.598	40.086	40.803	40.418	---	41.531	---	13
14	41.026	40.893	40.620	41.258	41.467	40.503	40.187	40.822	40.401	---	41.337	41.288	14
15	41.349	41.305	40.813	41.289	41.326	40.184	40.254	41.150	40.404	---	41.240	41.900	15
16	41.059	41.089	41.661	41.475	41.185	40.558	40.360	41.550	40.453	---	41.212	42.027	16
17	40.635	41.057	41.020	41.934	41.129	39.863	40.187	41.249	40.432	---	41.121	42.098	17
18	40.968	40.913	41.055	41.998	41.145	40.241	40.056	41.054	40.433	---	41.173	42.129	18
19	40.944	41.018	41.216	41.829	41.197	40.199	39.820	40.862	40.420	---	41.359	42.152	19
20	40.923	41.032	41.699	41.876	41.324	40.440	39.925	40.794	40.362	---	41.369	42.173	20
21	40.986	41.135	42.270	42.196	41.490	40.863	39.883	40.658	40.274	---	41.145	42.543	21
22	41.157	40.891	42.303	42.627	41.520	41.013	39.865	40.718	40.372	---	41.087	42.927	22
23	40.944	40.967	42.292	42.911	42.101	40.914	39.979	40.496	40.476	41.439	41.101	42.208	23
24	41.173	40.853	42.333	43.131	41.833	40.901	40.488	40.549	40.632	41.872	41.125	42.847	24
25	41.390	40.877	42.469	43.355	42.031	41.028	41.120	40.473	40.787	43.762	41.338	43.287	25
26	41.724	41.164	42.337	43.452	41.824	40.994	41.110	40.515	40.905	43.592	41.430	43.770	26
27	41.430	41.102	42.234	43.516	41.651	40.790	40.653	40.475	40.830	43.248	41.248	43.786	27
28	41.012	40.751	42.176	43.944	41.391	40.740	40.671	40.514	40.471	42.784	41.152	44.233	28
29	41.069		42.118	44.325	41.372	40.767	40.630	40.615	40.555	42.425	41.209	44.167	29
30	41.522		41.926	44.162	41.241	40.231	40.530	40.510	40.426	42.147	41.430	44.185	30
31	41.258		41.858		41.226		40.553	40.390		41.904		44.294	31
MEAN	41.068	41.121	41.317	42.308	41.833	40.660	40.401	40.611	40.476	---	41.287	---	MEAN
MAX	41.724	41.452	42.469	44.325	43.802	41.166	41.120	41.550	40.905	---	41.793	---	MAX
MIN	40.635	40.751	40.211	41.258	41.129	39.863	39.820	40.180	40.274	---	41.065	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1990

MAXIMUM DAILY, 44.325 ON APR 29
MINIMUM DAILY, 39.820 ON JUL 19
MAXIMUM INSTANTANEOUS,
44.569 AT 19:01 AST ON APR 05

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 54 N
LONG 067 31 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SAINT JOHN RIVER AT MACTAQUAC GENERATING STATION - STATION NO. 01AK009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.263	3.945	3.427	4.847	7.651	4.876	---	4.304	3.618	4.035	6.118	5.026	1
2	3.670	3.621	3.539	5.557	7.196	5.073	---	3.969	3.847	4.932	5.706	5.394	2
3	3.508	3.683	3.295	4.968	7.179	4.405	3.740A	3.568	3.409	4.920	4.887	4.850	3
4	3.626	3.940	3.466	5.274	7.005	4.551	4.044	3.534	3.627	4.857	3.450	4.970	4
5	3.456	3.809	3.747	6.145	6.530	4.609	3.857	3.407	4.017	4.762	4.868	5.436	5
6	3.307	3.791	4.091	5.827	6.547	4.288	3.917	3.959	3.650	4.708	5.016	5.205	6
7	3.482	3.923	4.471	5.819	6.329	4.581	3.735	3.508	4.069	4.426	4.985	4.854	7
8	3.791	3.819	4.285	6.207	6.252	4.372	3.640	3.454	3.399	4.752	5.036	4.702	8
9	3.734	4.001	3.669	6.064	5.925	4.046	3.946	3.450	3.646	4.684	4.840	4.722	9
10	3.397	4.005	3.507	5.960	5.305	3.200	4.183	3.424	3.605	5.224	4.127	4.715	10
11	3.558	3.398	3.484	5.357	5.426	4.091	3.734	3.917	3.440	5.346	5.576	4.896	11
12	3.725	3.830	3.440	5.814	5.009	4.185	4.209	3.569	3.596	5.444	6.022	4.169	12
13	3.706	3.771	3.438	6.114	5.375	4.718	3.419	5.083	3.617	5.559	5.226	4.013	13
14	3.347	3.340	3.618	6.004	5.418	5.024	3.406	5.116	3.699	5.782	5.221	4.311	14
15	3.840	4.157	3.865	5.600	5.086	4.498	3.483	5.475	3.575	5.787	4.798	4.299	15
16	3.649	3.871	4.796	5.776	5.291	4.068	3.816	5.669	3.907	6.152	4.740	3.897	16
17	3.742	3.627	5.371	6.210	4.690	4.564	3.480	4.969	3.524	5.988	4.824	4.328	17
18	3.778	3.433	5.026	6.158	5.160	---	4.435	4.313	3.563	5.974	5.107	4.528	18
19	3.390	3.730	4.196	6.049	4.574	---	3.445	4.358	3.803	5.807	5.435	4.387	19
20	3.109	4.027	4.357	6.352	5.127	---	3.254	4.449	3.723	5.840	5.823	5.043	20
21	3.610	3.972	4.628	6.286	5.387	4.146	3.358	4.142	3.297	5.733	5.505	5.193	21
22	3.820A	3.677	4.926	6.481	5.500	4.558	3.291	4.420	3.448	5.708	4.792	4.432	22
23	---	3.933	5.216	6.491	6.047	4.554	3.301	3.806	3.634	5.707	4.761	4.541	23
24	3.687	3.900	4.770	6.476	6.099	4.282	3.700	3.887	4.394	5.770	4.426	5.769	24
25	3.847	3.648	5.156	6.866	6.087	4.719	4.484	3.774	4.572	7.700	5.268	6.091	25
26	4.362	4.117	5.557	7.613	5.906	4.676	4.964	3.744	4.384	7.602	5.575	5.125	26
27	3.950A	3.972	5.276	7.464	5.468	4.901	4.070A	3.935	4.443	7.182	5.299	5.297	27
28	---	3.250	5.303	7.710	5.185	4.356	4.260A	3.809	3.991	6.669	4.776	6.024	28
29	3.690A		5.068	8.057	5.134	3.970A	4.300A	4.587	4.130	6.084	4.877	5.146	29
30	4.474		5.231	7.999	5.187	---	3.830A	4.372	3.901	5.907	4.989	5.051	30
31	3.984		5.814		5.420		3.950A	4.223		6.011		5.617	31
MEAN	---	3.782	4.388	6.252	5.745	---	---	4.200	3.784	5.647	5.069	4.904	MEAN
MAX	---	4.157	5.814	8.057	7.651	---	---	5.669	4.572	7.700	6.118	6.091	MAX
MIN	---	3.250	3.295	4.847	4.574	---	---	3.407	3.297	4.035	3.450	3.897	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 8.057 ON APR 29
MINIMUM DAILY, 3.109 ON JAN 20
MAXIMUM INSTANTANEOUS,
8.447 AT 09:23 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 57 24 N
LONG 066 51 53 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SAINT JOHN RIVER AT MAUGERVILLE - STATION NO. 01AO002

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.141	2.082	1.447A	2.786	4.839	2.948	1.520	1.504	1.002	1.208	3.420	2.847	1
2	1.118	1.995	1.417	2.752	4.618	2.755	1.424	1.518	0.945	1.479	3.327	2.812	2
3	1.161	1.803	1.409	2.698	4.482	2.608	1.390	1.383	1.005	1.681	3.059	2.657	3
4	1.137	1.819	1.329	2.669	4.392	2.424	1.391	1.328	0.964	1.769	2.731	2.679	4
5	1.154	1.779	1.407	3.297	4.096	2.291	1.304	1.252	1.151	1.848	2.699	3.041	5
6	1.126	1.788	1.478	3.461	3.967	2.171	1.273	1.247	1.177	1.831	2.804	3.130	6
7	1.109	1.777	1.438	3.333	3.846	2.192	1.250	1.229	1.250	1.865	2.847	3.023	7
8	1.187	1.729	1.758	3.504	3.740	2.067	1.164	1.124	1.225	1.844	2.735	2.881	8
9	1.318	1.809	1.383	3.456	3.531	1.934	1.248	1.092	1.195	1.848	2.624	2.725	9
10	1.273	1.932	1.298	3.485	3.195	1.729	1.293	1.063	1.196	2.082	2.384	2.685	10
11	1.315	1.905	1.253	3.184	3.477	1.683	1.212	1.026	1.030	2.190	2.607	2.557	11
12	1.423	1.987	1.237	3.304	3.019	1.685	1.278	1.661	1.138	2.579	3.069	2.409	12
13	1.458	2.038	1.230A	3.418	2.974	1.760	1.227	1.914	1.006	2.525	2.753	2.272	13
14	1.392	1.833	1.216	3.339	3.013	1.900	1.118	1.697	1.026	2.506	2.708	2.506	14
15	1.411	1.844	1.291	3.407	2.960	1.839	1.082	1.930	1.069	2.660	2.611	2.236	15
16	1.428	1.833	1.695	3.370	2.817	1.641	1.194	2.069	1.142	2.811	2.511	2.162	16
17	1.402	1.691	2.195	3.085	2.613	1.670	1.081	1.912	1.123	2.914	2.476	2.110	17
18	1.412	1.494	2.517	3.029	2.639	1.634	1.222	1.667	1.096	2.883	2.464	2.237	18
19	1.303	1.434	2.228A	3.403	2.551	1.502	1.194	1.532	1.088	2.885	2.557	2.328	19
20	1.176	1.398	2.251	3.589	2.596	1.548	1.108	1.557	1.138	2.881	2.816	2.468	20
21	1.134	1.571	2.307	3.543	2.646	1.558	1.098	1.530	1.059	2.857	2.781	2.747	21
22	1.300	1.207	2.764	3.682	2.732	1.694	1.112	1.547	1.058	2.810	2.528	2.500	22
23	1.237	1.257	2.799	3.729	3.150	1.833	1.129	1.414	1.134	2.783	2.445	2.632	23
24	1.216	1.338A	2.750	3.745	3.405	1.859	1.186	1.326	1.358	2.895	2.348	3.159	24
25	1.286	1.324A	2.800A	3.830	3.482	1.973	1.483	1.258	1.537A	3.914	2.439	3.637	25
26	1.608	1.443	2.997	4.273	3.472	2.008	1.928	1.146	1.462	4.368	2.546	3.487	26
27	1.875	1.647A	2.896	4.418	3.327	2.105	1.862	1.140	1.433	4.202	2.597	3.403	27
28	1.829	1.508A	2.912	4.552	3.179	1.961	1.762	1.115	1.314	3.947	2.451	3.657	28
29	1.894		2.820A	4.818	2.996	1.986	1.684	1.246	1.252	3.679	2.479	3.657	29
30	2.187		2.886	4.932	2.918	1.782	1.564	1.244	1.212	3.469	2.602	3.271	30
31	2.165		3.015		3.061		1.469	1.231		3.405		3.462	31
MEAN	1.393	1.691	2.014	3.536	3.346	1.958	1.331	1.416	1.160	2.649	2.681	2.809	MEAN
MAX	2.187	2.082	3.015	4.932	4.839	2.948	1.928	2.069	1.537	4.368	3.420	3.657	MAX
MIN	1.109	1.257	1.216	2.669	2.551	1.502	1.081	1.026	0.945	1.208	2.348	2.110	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 2.167
MAXIMUM DAILY, 4.932 ON APR 30
MINIMUM DAILY, 0.945 ON SEP 02
MAXIMUM INSTANTANEOUS,
4.972 AT 10:15 AST ON APR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 51 58 N
LONG 066 27 40 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

SAINT JOHN RIVER AT OAK POINT - STATION NO. 01AP003

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.965	1.587	1.142	2.101	3.229	2.334	1.348	1.233	0.999	0.996	---	2.028	1
2	0.913	1.543	1.178	2.076	3.228	2.201	1.227	1.288	0.971	1.069	---	2.109	2
3	0.887	1.432	1.179	2.064	3.145	2.066	1.165	1.275	0.973	1.197	---	2.136	3
4	0.910	1.374	1.132	2.040	3.045	1.961	1.145	1.216	0.963	1.292	---	2.167	4
5	0.929	1.352	1.076	2.270	2.955	1.872	1.187	1.180	0.977	1.414	---	2.394	5
6	0.928	1.344	1.018	2.429	2.903	1.802	1.160	1.137	1.031	1.465	2.107A	2.478	6
7	0.914	1.340	0.988	2.495	2.844	1.738	1.100	1.153	1.074	1.524	2.333	2.426	7
8	0.936	1.370	1.028	2.515	2.774	1.713	1.053	1.119	1.124	1.495	2.287	2.341	8
9	0.997	1.388	1.078	2.506	2.674	1.641	1.029	1.092	1.066	1.482	2.170	2.232	9
10	1.070	1.462	1.076	2.496	2.533	1.552	1.074	1.078	1.046	1.502	2.056	2.148	10
11	1.115	1.552	1.070	2.516	2.446	1.442	1.133	1.055	1.020	1.522	2.036	2.054	11
12	1.176	1.570	1.060	2.561	2.396	1.431	1.180	1.166	0.963	1.559	2.086	1.907	12
13	1.215	1.565	1.060	2.486	2.272	1.389	1.146	1.150	0.932	1.602	2.112	1.801	13
14	1.157	1.501	1.045	2.405	2.302	1.401	1.053	1.190	0.925	1.703	2.070	1.720	14
15	1.105	1.388	1.056	2.328	2.303	1.366	1.005	1.436	0.942	1.827	2.050	1.595	15
16	1.092	1.332	1.057	2.300	2.204	1.316	0.983	1.528	1.012	1.915	2.013	1.627	16
17	1.037	1.281	1.114	2.322	2.092	1.271	0.989	1.591	1.061	1.980	2.000	1.615	17
18	1.032	1.144	1.287	2.388	2.053	1.259	0.977	1.560	1.057	2.020	1.979	1.638	18
19	0.987	1.038	1.417	2.366	2.085	1.237	1.049	1.534	1.057	2.074	1.987	1.784	19
20	0.910	0.940	1.427	2.336	2.046	1.275	1.020	1.520	1.097	2.056	2.079	1.803	20
21	0.857	0.907	1.506	2.395	2.035	1.291	1.019	1.516	1.100	2.029	2.119	1.797	21
22	0.874	0.959	1.565	2.514	2.090	1.331	1.023	1.491	1.027	2.023	2.059	1.836	22
23	0.909	1.008	1.682	2.632	2.277	1.402	1.031	1.472	1.053	1.978	1.997	1.952	23
24	0.899	1.070	1.803	2.711	2.553	1.478	1.042	1.382	1.088	2.027	1.964	2.150	24
25	0.932	1.126	1.912	2.782	2.669	1.542	1.210	1.305	1.113	2.148	1.910	2.449	25
26	1.064	1.131	2.024	2.892	2.713	1.572	1.408	1.218	1.097	2.365A	1.897	2.482	26
27	1.296	1.173	2.109	3.025	2.683	1.579	1.504	1.149	1.058	---	1.860	2.291	27
28	1.443	1.207	2.135	3.112	2.603	1.569	1.454	1.116	1.031	---	1.883	2.135	28
29	1.470		2.088	3.161	2.469	1.515	1.389	1.084	0.977	---	1.908	2.172	29
30	1.565		2.055	3.183	2.414	1.484	1.317	1.071	0.972	---	1.944	2.229	30
31	1.594		2.052		2.411		1.233	1.034		---		2.277	31
MEAN	1.070	1.289	1.401	2.513	2.531	1.568	1.150	1.282	1.027	---	---	2.057	ME
MAX	1.594	1.587	2.135	3.183	3.229	2.334	1.504	1.591	1.124	---	---	2.482	MA
MIN	0.857	0.907	0.988	2.040	2.035	1.237	0.977	1.034	0.925	---	---	1.595	MI

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 31 11 N
LONG 066 04 44 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

MAXIMUM DAILY, 3.229 ON MAY 01
MINIMUM DAILY, 0.857 ON JAN 21
MAXIMUM INSTANTANEOUS,
3.342 AT 08:35 AST ON MAY 02

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SAINT JOHN RIVER AT SAINT JOHN - STATION NO. 01AP005

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	D
1	0.956	1.542	1.173	2.082	3.132	2.276	1.362	1.227	0.978	0.978	2.450	1.953	
2	0.885	1.529	1.144	2.028	3.138	2.130	1.241	1.269	0.929	1.060	2.464	2.049	
3	0.864	1.412	1.132	2.008	3.042	1.995	1.163	1.245	0.998	1.172	2.464	2.088	
4	0.907	1.345	1.085	2.031	2.933	1.904	1.145	1.177	0.941	1.211	2.402	2.075	
5	0.921	1.332	1.016	2.192	2.863	1.853	1.169	1.135	0.951	1.354	2.268	2.316	
6	0.913	1.330	0.955	2.368	2.837	1.757	1.120	1.096	1.019	1.428	2.279	2.413	
7	0.925	1.312	0.918	2.426	2.757	1.688	1.092	1.124	1.040	1.465	2.276	2.361	
8	0.949	1.332	0.947	2.453	2.694	1.680	1.033	1.097	1.131	1.481	2.232	2.297	
9	1.002	1.358	1.017	2.446	2.579	1.601	1.004	1.078	1.042	1.460	2.116	2.200	
10	1.090	1.438	1.014	2.443	2.462	1.547	1.053	1.051	1.040	1.494	1.999	2.104	1
11	1.131	1.539	1.017	2.481	2.354	1.468	1.101	1.023	1.013	1.480	1.924	2.017	1
12	1.201	1.550	1.013	2.492	2.352	1.417	1.084	1.138	0.943	1.500	1.980	1.836	1
13	1.425A	1.522	1.017	2.424	2.199	1.358	1.083	1.319	0.928	1.548	2.025	1.723	1
14	---	1.493	1.024	2.322	2.282	1.362	1.015	1.353	0.904	1.641	2.007	1.682	1
15	---	1.359	1.029	2.244	2.252	1.368	0.975	1.405	0.932	1.757	1.961	1.528	1
16	---	1.313	1.020	2.233	2.157	1.343	0.953	1.480	1.004	1.858	1.925	1.579	1
17	---	1.259	1.072	2.250	2.068	1.281	0.972	1.513	1.081	1.894	1.919	1.581	1
18	---	1.094	1.240	2.328	2.019	1.265	0.958	1.496	1.061	1.937	1.952	1.559	1
19	1.110A	0.995	1.360	2.291	2.056	1.271	1.010	1.526	1.055	1.955	1.967	1.718	1
20	0.910	0.923	1.385	2.250	2.051	1.326	1.002	1.489	1.097	1.995	2.021	1.755	2
21	0.872	0.853	1.464	2.347	2.035	1.350	1.015	1.472	1.103	1.955	2.065	1.704	2
22	0.885	0.906	1.501	2.477	2.073	1.365	1.036	1.431	1.018	1.932	1.998	1.760	2
23	0.908	0.977	1.607	2.595	2.273	1.440	1.029	1.407	1.030	1.930	1.926	1.858	2
24	0.901	1.059	1.749	2.674	2.509	1.511	1.017	1.357	1.058	1.955	1.900	2.073	2
25	0.933	1.095	1.844	2.714	2.607	1.520	1.190	1.280	1.075	2.069	1.836	2.354	2
26	1.068A	1.115	1.949	2.804	2.618	1.552	1.379	1.202	1.048	2.321	1.829	2.385	2
27	1.328A	1.163	2.056	2.931	2.599	1.546	1.475	1.120	1.016	2.407	1.786	2.180	2
28	1.430	1.207	2.052	3.060	2.530	1.571	1.422	1.093	0.976	2.411	1.818	2.025	2
29	1.469		2.049	3.091	2.409	1.514	1.345	1.052	0.944	2.472	1.856	2.044	3
30	1.567		2.007	3.103	2.414	1.492	1.276	1.063	0.954	2.435	1.898	2.123	3
31	1.566		2.044		2.361		1.205	1.023		2.439		2.193	3
MEAN	---	1.263	1.352	2.453	2.473	1.558	1.127	1.250	1.010	1.774	2.051	1.985	ME
MAX	---	1.550	2.056	3.103	3.138	2.276	1.475	1.526	1.131	2.472	2.464	2.413	MA
MIN	---	0.853	0.918	2.008	2.019	1.265	0.953	1.023	0.904	0.978	1.786	1.528	MI

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 16 27 N
LONG 066 05 21 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

MAXIMUM DAILY, 3.138 ON MAY 02
MINIMUM DAILY, 0.853 ON FEB 21
MAXIMUM INSTANTANEOUS,
3.298 AT 06:21 AST ON MAY 02

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NEW BRUNSWICK

SAINT JOHN RIVER AT SIMONDS - STATION NO. 01AJ009

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	43.805	---	44.108	46.058	43.348	42.569	42.539	42.436	42.676A	44.080	43.980	1
2	---	43.804	---	44.094	45.716	43.443	42.585	42.447	42.205	43.263	43.904	44.003	2
3	---	43.636	---	44.029	45.642	43.154	42.556	42.045	42.269	43.445	43.770	43.847	3
4	---	43.675	---	44.182	45.247	43.091	42.492	42.030	42.039	43.490	43.688	43.701	4
5	---	43.617	43.335A	44.724	44.938	43.056	42.554	41.996	42.427	43.491	43.754	43.633	5
6	---	43.644	43.380	44.302	44.663	42.842	42.533	42.096	42.089	43.108	43.707	43.596	6
7	---	43.526	43.186	44.478	44.449	42.758	42.416	42.075	42.242	43.229	43.675	43.552	7
8	---	43.678	43.462	44.501	44.306	42.935	42.509	41.863	42.136	43.192	43.587	43.548	8
9	---	43.754	42.587	44.472	44.154	42.626	---	41.961	42.105	43.074	43.516	43.520	9
10	---	43.834	42.625	44.414	44.001	42.725	---	42.136	41.984	43.479	43.517	43.539	10
11	43.390	43.340	42.747	44.130	43.967	42.723	---	42.547	42.028A	43.482	43.686	43.639	11
12	43.630	43.138	43.013	43.966	43.981	42.696	---	42.933	42.052	43.552	44.170	43.145	12
13	43.257	43.453	43.022	43.863	43.945	42.845	---	43.028	41.967A	43.904	43.899	43.168	13
14	43.326	43.098A	43.082	43.751	43.869	42.928	---	43.057	42.061	44.631	43.709	43.219	14
15	43.711	---	43.328	43.746	43.734	42.669	---	43.552	42.235	45.061	43.619	43.341	15
16	43.136	---	44.074	43.896	43.603	43.073A	---	43.991	42.305	44.825	43.563A	43.104	16
17	42.857	---	43.473	44.354	43.520	42.325	---	43.682	42.133	44.495	43.475A	42.951	17
18	43.394	---	43.583	44.432	43.509	42.797	42.141	43.449	41.979	44.243	43.615	43.119	18
19	43.279	---	43.701	44.277	43.513	42.737	42.093	43.078	42.156	44.151	43.719	43.271	19
20	43.269	---	44.134	44.330	43.611	42.945A	42.141	42.918	42.171	44.272	43.810	43.422	20
21	43.291	---	44.652	44.625	43.792	43.350	41.937	42.753	41.968A	44.085	43.645	43.515	21
22	43.469	---	44.704	45.016	43.793	43.426	41.799	42.914	42.126A	43.984	43.531A	43.652	22
23	43.143	---	44.713	45.306	44.344	43.282	42.063	42.501	42.269	43.929	43.489A	43.394	23
24	43.495	---	44.757	45.508	44.145	43.216	42.710	42.495	42.700	44.331	43.428A	43.869	24
25	43.745	---	44.888	45.677	44.362	43.289	43.352	42.346	43.069A	46.038	43.603A	44.143	25
26	44.054	---	44.791	45.766	44.156	43.264	43.261	42.363	43.204A	45.886	43.707	44.486	26
27	43.754	---	44.735	45.827	43.970	43.100	42.576	42.290	43.003A	45.541	43.547	44.482	27
28	43.186	---	44.709	46.194	43.714	43.135	42.710	42.302	42.410A	45.097	43.420	44.810	28
29	43.401		44.662	46.494	43.665	43.154	42.654	42.604	42.580A	44.749	43.532	44.614	29
30	43.804		44.510	46.404	43.512	42.612	42.505	42.477	42.359A	44.464	43.781	44.564	30
31	43.613		44.492		43.517		42.540	42.438		44.266		44.635	31
MEAN	---	---	---	44.696	44.174	42.985	---	42.610	42.290	44.111	43.672	43.724	MEAN
MAX	---	---	---	46.494	46.058	43.443	---	43.991	43.204	46.038	44.170	44.810	MAX
MIN	---	---	---	43.746	43.509	42.325	---	41.863	41.967	42.676	43.420	42.951	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MAXIMUM DAILY, 46.494 ON APR 29
MINIMUM DAILY, 41.799 ON JUL 22
MAXIMUM INSTANTANEOUS,
46.591 AT 15:14 AST ON APR 29

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 20 15 N
LONG 067 33 19 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED
DRAINAGE AREA,
35 000 km²

SAINT JOHN RIVER BELOW MACTAQUAC - STATION NO. 01AK004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	73.7E	433	246	903	4 070	975E	83.7	555E	190	433	2 290	1 140	1
2	206 E	267	234	1 630	3 270	983E	307	365E	300	965	1 870	1 530	2
3	146 E	321	135	1 070E	3 310	694E	124	170E	112	975	1 170	1 110	3
4	180 E	419	202	1 170E	3 000	702E	430	140E	218	946	248	1 240	4
5	125 E	387	355	1 860E	2 350	783E	318	112E	421	854	1 130A	1 530	5
6	79.9E	363	323	1 600E	2 360	648E	349	310E	211	832	1 130B	1 350	6
7	140 E	419	580	1 570E	2 130	866E	268	182E	397	655	1 160B	1 040	7
8	277 E	388	492	1 970E	2 120	606E	229	116E	107	865	990B	935	8
9	238 E	480	203	1 830E	1 590	473E	350	124E	205	885	966B	981	9
10	117	510	136	1 880E	1 400	105E	478	118E	160	1 210	502B	1 000	10
11	175	183	124	1 280E	1 510	498E	267	285E	124	1 340	1 510B	1 100	11
12	281	377	108	1 590E	979E	519E	481	1 370E	186	1 400	1 880B	636	12
13	282	379	113	2 080	1 360E	811E	130	1 080E	221	1 510	1 210B	524	13
14	155	160	179	1 960	1 340E	1 020E	120	1 020E	284	1 680	1 280B	702	14
15	362	522	296	1 590	1 100E	678E	149	1 350	215	1 710	932B	679	15
16	273	396	749	1 750	1 110E	416E	306	1 550	362	2 140	1 110B	445	16
17	336	286	1 630	2 050	806E	714E	140	982	208	1 900	898B	713	17
18	292	208	1 620	2 030	1 150E	486E	620	576	217	1 890	1 090B	826	18
19	125	308	439	2 060	774E	274E	111	612	332	1 740	1 340B	720	19
20	74.5	507	589	2 200	1 100E	512E	81.3	674	282	1 770	1 640B	1 240	20
21	263	322	867	2 180	1 230E	469E	98.0	505	115	1 640	1 070B	1 230	21
22	362	183	1 100	2 350	1 340E	761E	86.7E	680	177	1 610	855B	694	22
23	178	182	1 200	2 370	1 810E	784E	81.9E	317	248	1 660	832B	781	23
24	321	327	869	2 360	1 840E	612E	218 A	353	632	1 730	612B	1 810	24
25	377	192	1 200	2 900	1 850	883E	673	272	723	4 750	1 230B	2 080	25
26	680	450	1 510	4 070	1 450	802E	1 010 E	260	612	4 470	1 220B	1 150	26
27	440	430	1 260	3 790	1 110	993E	509 E	335	639	3 770	1 230A	1 290	27
28	106	120	1 310	4 160	1 200E	614	553 E	296	414	2 950	1 070	2 010	28
29	334		1 220	4 740	1 060E	1 100	473 E	694	491	2 260	1 110	1 170	29
30	733		1 330	4 610	1 130E	220	341 E	451	377	2 070	1 110	1 120	30
31	458		1 770		1 260E		381 E	503		2 190		1 550	31
TOTAL	8 210.1	9 519	21 389	67 603	52 059	19 991	9 966.6	16 457	9 180	54 800	34 685	34 326	TOTAL
MEAN	265	340	690	2 250	1 680	666	322	531	306	1 770	1 160	1 110	MEAN
MAX	753	522	1 770	4 740	4 070	1 100	1 010	1 550	723	4 750	2 290	2 080	MAX
MIN	73.7	120	108	903	724	105	81.3	112	107	433	248	445	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 927
MAXIMUM DAILY, 4 750 ON OCT 25
MINIMUM DAILY, 73.7E ON JAN 01
MAXIMUM INSTANTANEOUS,
5 650 AT 08:28 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 57 44 N
LONG 066 49 51 W
DRAINAGE AREA, 39 900 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	709 000	JUL	861 000
FEB	822 000	AUG	1 420 000
MAR	1 850 000	SEP	793 000
APR	5 840 000	OCT	4 730 000
MAY	4 500 000	NOV	3 000 000
JUN	1 730 000	DEC	2 970 000

TOTAL DISCHARGE, 29 200 000 dam³

NEW BRUNSWICK

SAINT JOHN RIVER NEAR EAST FLORENCEVILLE - STATION NO. 01AJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	78.1B	378B	108 B	563B	3 800	802	416	406	303	476	1 350	1 270	1
2	169 B	374B	202 B	596B	3 370	682	348	355	228	744	1 190	1 290	2
3	104 B	323B	239 B	564B	3 260	674	355	179	240	864	1 070	1 130	3
4	172 B	327B	224 B	662B	2 680	653	354	199	166	879	1 020	1 030	4
5	251 B	334B	260 B	907B	2 320	635	370	174	306	883	1 090	949	5
6	176 B	338B	281 B	1 430	2 000	501	392	273	182	619	1 030	911	6
7	207 B	289B	293 B	1 650	1 780	478	243	155	236	712	1 010	902	7
8	209 B	333B	238 B	1 670	1 770	576	354	126	202	705	945	898	8
9	156 B	355B	72.8B	1 710	1 680	396	210	206	182	665	899	893	9
10	184 B	403B	94.9B	1 650	1 850	457	269	229	133	875	895	877	10
11	212 B	222B	136 B	1 370	1 860	447	305	352	150	880	1 070	817	11
12	236 B	220B	212 B	1 250	1 860	448	181	603	180	953	1 390	474E	12
13	198 B	306B	205 B	1 170	1 900	519	205	625	157	1 210	1 160	572E	13
14	200 B	265B	183 B	1 080	1 980	551	223	720	161	2 020	1 010	617E	14
15	409 B	305B	376 B	1 100	2 130	424	252	1 010	251	2 410	957	595E	15
16	85.7B	270B	546 B	1 190	2 270	668	234	1 360	234	2 130	901	511E	16
17	138 B	252B	289 B	1 470	2 370	234	160 A	1 080	176	1 780	853	503E	17
18	259 B	252B	355 B	1 430	2 360	486	185 E	882	136	1 500	959	588E	18
19	168 B	286B	428 B	1 510	2 360	450	191	603	215	1 450	1 050	678E	19
20	229 B	341B	629 B	1 620	2 230	574	176	545E	186	1 540	1 110	670E	20
21	230 B	233B	840 B	1 960	2 030	859	108	517E	123	1 360	991	868	21
22	278 B	264B	868 B	2 400	1 970	834	86.4	514E	202	1 260	911	769	22
23	311 B	222B	900 B	2 790	1 680	745	195	341E	249	1 200	900	736	23
24	298 B	211B	920 B	3 050	1 500	713	552	306E	447	1 790	844	998	24
25	351 B	202B	965 B	3 290	1 650	768	808	289E	610	3 600	913	1 190	25
26	451 B	459B	929 B	3 400	1 460	708	663	268E	703	3 500	1 020	1 060B	26
27	337 B	218B	929 B	3 510	1 260	661	466	277E	600	3 000	896	1 040B	27
28	148 B	211B	924 B	4 080	1 090	682	447	235E	321	2 430	803	1 060B	28
29	204 B		882 B	4 570	1 030	630	427	421	372	2 030	925	848B	29
30	356 B		808 B	4 370	929	344	326	345	264	1 690	1 090	886B	30
31	301 B		783 B		928		414	297		1 520		960B	31
TOTAL	7 005.8	6 193	15 129.7	58 012	61 357	17 799	9 915.4	13 972	7 915	46 705	30 252	26 590	TOTAL
MEAN	226	293	488	1 930	1 980	593	320	451	264	1 510	1 010	858	MEAN
MAX	451	459	965	4 570	3 800	882	808	1 360	703	3 600	1 390	1 290	MAX
MIN	78.1	202	72.8	563	928	234	86.4	126	123	476	803	474	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 830
MAXIMUM DAILY, 4 570 ON APR 29
MINIMUM DAILY, 72.8B ON MAR 09
MAXIMUM INSTANTANEOUS,
4 850 AT 14:07 AST ON APR 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 28 12 N
LONG 067 35 23 W
DRAINAGE AREA, 34 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	605 000	JUL	857 000
FEB	708 000	AUG	1 210 000
MAR	1 310 000	SEP	684 000
APR	5 010 000	OCT	4 040 000
MAY	5 300 000	NOV	2 610 000
JUN	1 540 000	DEC	2 300 000

TOTAL DISCHARGE, 26 200 000 dam³

SALMON RIVER AT CASTAWAY - STATION NO. 01AN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.00B	35.0 B	9.00B	30.0B	40.4	45.7	7.57	46.3	4.10	3.85	15.0	33.7	1
2	13.5 B	30.0 B	8.20B	40.0B	38.9	34.3	6.98	75.8	3.86	3.80	12.5	28.1	2
3	12.8 B	28.0 B	7.50B	55.0B	32.7	26.8	6.40	56.8	4.54	3.76	11.8	24.1	3
4	11.9 B	24.0 B	6.95B	90.0B	27.3	22.2	6.16	35.7	4.38	3.61	11.8	21.1	4
5	11.1 B	22.0 B	6.60B	127 B	24.0	19.8	6.22	23.3	4.04	4.03	11.5	69.4	5
6	10.6 B	20.0 B	6.30B	129	29.7	17.5	5.57	17.1	3.79	4.64	11.0	72.9	6
7	10.0 B	18.8 B	5.95B	104	37.7	15.5	5.04	13.5	3.71	4.68	18.6	52.9	7
8	9.60B	17.2 B	5.70B	78.2	31.7	17.1	4.79	11.4	4.51	4.17	20.5	39.2	8
9	9.00B	16.6 B	5.40B	61.5	27.0	15.5	4.56	11.6	4.57	4.14	17.0	33.1	9
10	9.20B	20.0 B	5.20B	57.1	23.0	13.5	4.83	10.8	4.08	7.02	14.4	28.2	10
11	9.80B	33.0 B	6.60B	48.2	24.2	11.8	4.98	9.60	3.88	8.98	27.0	24.1	11
12	10.6 B	28.5 B	8.00B	43.9	31.3	10.7	4.28	12.7	3.47	8.32	49.9	19.8	12
13	10.0 B	25.5 B	9.30B	40.3	24.6	9.91	3.81	13.4	3.26	7.66	36.3	20.4	13
14	9.40B	22.0 B	10.7 B	40.9	37.1	8.83	3.55	10.7	3.09	7.27	26.4	20.0B	14
15	9.00B	19.0 B	12.1 B	55.9	45.4	8.04	3.34	11.0	3.05	8.59	21.5	19.2B	15
16	8.77B	16.5 B	13.5 B	138	34.8	7.72	3.25	9.31	3.03	8.76	18.4	21.9B	16
17	8.40B	14.8 B	23.0 B	165	28.7	7.56	3.00	7.64	2.96	7.65	17.1	30.9B	17
18	10.8 B	13.2 B	30.0 B	175	36.7	6.99	2.92	6.98	2.84	6.66	23.4	34.1B	18
19	13.2 B	12.2 B	68.0 B	142	73.7	8.52	2.73	14.5	2.75	6.12	31.2	66.7B	19
20	15.6 B	11.4 B	64.0 B	93.0	56.6	11.0	2.66	16.8	2.85	5.97	59.7	64.5	20
21	14.0 B	10.5 B	70.0 B	103	44.7	15.7	2.70	11.9	4.37	5.50	76.5	49.2	21
22	13.2 B	9.80B	65.0 B	104	44.2	15.4	2.48	9.10	4.78	4.97	61.3	68.1	22
23	12.4 B	11.5 B	61.0 B	85.0	114	14.3	2.77	7.54	5.00	4.76	56.3	125	23
24	11.8 B	13.0 B	94.0 B	71.6	125	24.2	5.30	6.46	6.75	11.5	57.6	191	24
25	10.9 B	12.0 B	75.0 B	60.9	81.1	29.6	40.1	5.83	6.72	44.7	68.2	174	25
26	15.0 B	11.2 B	60.0 B	56.1	53.8	20.1	81.1	5.41	5.54	33.5	66.2	116	26
27	70.0 B	10.5 B	51.0 B	56.9	41.6	14.5	61.7	4.99	4.87	23.6	50.4	66.8	27
28	60.0 B	9.89B	43.0 B	60.9	33.7	11.8	35.6	4.69	4.35	18.4	44.0	49.7B	28
29	50.0 B		37.0 B	51.7	27.5	10.2	21.9	4.55	4.04	16.0	45.7	49.3B	29
30	45.0 B		34.5 B	45.1	34.7	8.66	15.7	4.74	3.88	20.8	42.4	59.1B	30
31	40.0 B		32.0 B		62.1		12.1	4.49		18.9		76.0B	31
TOTAL	551.57	516.09	934.50	2 392.2	1 367.0	483.42	373.99	484.63	123.06	322.31	1 023.6	1 748.5	TOTAL
MEAN	17.8	18.4	30.1	79.7	44.1	16.1	12.1	15.6	4.10	10.4	34.1	56.4	MEAN
MAX	70.0	35.0	94.0	175	125	42.7	81.1	75.8	6.75	44.7	76.5	191	MAX
MIN	6.00	9.80	5.20	30.0	23.0	6.98	2.48	4.49	2.75	3.61	11.0	19.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 28.3
MAXIMUM DAILY, 191 ON DEC 24
MINIMUM DAILY, 2.48 ON JUL 22
MAXIMUM INSTANTANEOUS,
216 AT 23:39 AST ON DEC 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 28 N
LONG 065 43 24 W
DRAINAGE AREA, 1 050 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	47 700	JUL	32 300
FEB	44 600	AUG	41 900
MAR	80 700	SEP	10 600
APR	207 000	OCT	27 800
MAY	118 000	NOV	88 400
JUN	41 800	DEC	151 000

TOTAL DISCHARGE, 892 000 dam³

SHOGOMOC STREAM NEAR TRANS CANADA HIGHWAY - STATION NO. 01AK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.51B	6.90B	3.00B	8.27	8.32	13.9	2.50	1.94	1.72	4.64	10.4	9.59	1
2	1.70B	6.40B	2.87B	7.84	7.65	13.0	2.31	2.37	1.66	4.42	9.12	9.87	2
3	1.64B	5.90B	2.75B	8.11	6.73	11.3	2.18	2.24	2.30	4.24	9.27	7.90	3
4	1.62B	5.45B	2.67B	14.9 A	5.76	9.74	2.15	1.95	2.26	3.76	7.58	8.01	4
5	1.86B	5.15B	2.59B	25.6 A	5.20	8.27	2.15	1.82	2.21	3.77	6.99	14.0	5
6	1.81B	4.90B	2.52B	27.9 A	5.37	7.03	2.02	1.66	2.00	3.83	6.78	14.7	6
7	1.77B	4.60B	2.43B	26.7	5.31	6.24	1.87	1.49	1.93	3.65	7.52	14.2	7
8	1.71B	4.30B	2.35B	22.5	5.13	6.18	1.74	1.37	1.99	3.37	7.18	13.1	8
9	1.67B	4.10B	2.29B	19.4	4.92	5.60	1.61	1.24	1.85	3.39	6.85	11.7	9
10	1.64B	4.50B	2.27B	16.9	4.31	4.97	1.52	1.10	1.67	3.84	6.22	10.3	10
11	1.61B	5.00B	2.30B	16.6	5.46	4.45	1.39	1.66	1.56	4.03	10.4	7.90B	11
12	1.59B	6.00B	2.34B	15.7	6.47	3.78	1.28	2.62	1.48	4.14	12.3	9.00B	12
13	1.57B	5.65B	2.38B	14.6	6.41	3.29	1.10	2.53	1.42	4.39	10.4	7.70B	13
14	1.54B	5.30B	2.44B	13.6	7.88	2.91	1.04	2.48	1.33	5.32	11.5	7.00B	14
15	1.52B	5.00B	3.00B	14.0	7.97	2.78	0.938	2.34	1.71	5.69	10.9	6.30B	15
16	1.48B	4.70B	3.60B	19.6	7.78	2.65	0.870	2.12	4.02	5.75	9.52	5.80B	16
17	1.68B	4.45B	4.40B	23.9	7.23	2.42	0.850	1.95	3.85	5.57	8.75	5.20B	17
18	1.90B	4.20B	8.00B	25.8	8.56	2.30	0.797	1.76	3.77	5.15	8.43	4.90B	18
19	2.30B	3.90B	10.0 B	25.1	9.56	2.52	0.756	1.80	3.60	6.55	8.39	5.60B	19
20	2.25B	3.65B	13.0 B	20.3	9.70	2.40	0.720	1.61	3.28	7.90	8.37	6.20B	20
21	2.15B	3.40B	14.0 B	19.5	9.19	2.20	0.648	1.45	3.08	7.59	7.86	7.40B	21
22	2.03B	3.20B	15.0 B	19.0	10.2	2.76	0.601	1.30	2.65	7.62	7.27	7.30B	22
23	1.92B	3.40B	16.0 B	18.0	14.7	2.93	0.653	1.20	3.49	7.12	6.65	9.00B	23
24	1.87B	3.60B	17.0	16.7	17.0	3.92	0.803	1.09	4.63	14.2	6.81	12.0 B	24
25	1.80B	3.90B	17.0	15.1	16.4	4.45	1.16	0.986	4.60	26.1	7.97	19.5 B	25
26	3.25B	3.70B	16.5	13.7	15.1	4.34	1.89	0.944	4.76	26.2	9.11	15.3 B	26
27	7.00B	3.44B	15.1	12.6	13.3	3.91	2.07	0.954	4.27	21.6	9.04	13.0 B	27
28	6.00B	3.20B	13.2	11.5	11.3	3.51	2.23	1.51	3.72	17.9	9.29	12.3 B	28
29	5.30B		11.5	10.7	9.65	2.98	2.09	1.85	3.41	15.4	9.96	10.0 B	29
30	6.20B		10.0	9.52	11.0	2.73	1.90	1.93	3.72	13.4	10.3	9.00B	30
31	7.50B		9.12		13.9		1.70	1.82		11.7		9.20B	31
TOTAL	79.39	127.89	231.62	511.64	277.46	149.46	45.536	53.084	83.94	262.23	260.10	301.97	TOTAL
MEAN	2.56	4.57	7.47	17.1	8.95	4.98	1.47	1.71	2.80	8.46	8.67	9.74	MEAN
MAX	7.50	6.90	17.0	27.9	17.0	13.9	2.50	2.62	4.76	26.2	12.3	19.5	MAX
MIN	1.48	3.20	2.27	7.84	4.31	2.20	0.601	0.944	1.33	3.37	6.22	4.90	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.53
MAXIMUM DAILY, 27.9A ON APR 06
MINIMUM DAILY, 0.601 ON JUL 22
MAXIMUM INSTANTANEOUS,
28.7 AT 11:23 AST ON APR 06

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 56 42 N
LONG 067 19 20 W
DRAINAGE AREA, 234 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 860	JUL	3 930
FEB	11 000	AUG	4 590
MAR	20 000	SEP	7 250
APR	44 200	OCT	22 700
MAY	24 000	NOV	22 500
JUN	12 900	DEC	26 100

TOTAL DISCHARGE, 206 000 dam³

SOUTHWEST MIRAMICHI RIVER AT BLACKVILLE - STATION NO. 01BO001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	24.2B	85.0B	39.5B	88.0B	494	284	53.2	73.3	56.0	50.2	149	236	1
2	25.5B	81.0B	39.0B	98.0B	497	272	50.1	99.3	49.0	73.7	134	200	2
3	27.0B	78.0B	38.0B	110 B	509	179	46.0	110	45.3	80.1	123	181	3
4	29.0B	76.0B	37.0B	180 B	408	155	45.9	81.3	42.2	68.0	118	159	4
5	31.0B	74.0B	36.0B	300 B	321	145	44.8	61.5	39.5	61.9	117	233	5
6	33.0B	72.0B	35.0B	420 B	300	141	44.0	51.8	38.2	82.9	118	345	6
7	29.5B	70.0B	34.0B	590 B	305	129	41.8	45.7	37.6	89.2	121	297	7
8	27.5B	68.0B	33.5B	520 B	264	117	39.6	42.7	39.8	75.6	112	249	8
9	25.5B	66.0B	33.0B	460 B	232	109	38.5	42.3	46.2	69.4	99.3	204	9
10	24.2B	67.0B	32.5B	380 B	205	101	38.6	43.1	44.6	78.0	91.9	181	10
11	23.5B	68.5B	34.0B	269	198	96.3	38.6	45.8	39.7	105	129	166	11
12	22.6B	70.0B	36.0B	268	298	89.1	37.6	248	36.6	100	341	143	12
13	22.0B	65.0B	38.5B	213	269	80.3	35.2	467	34.6	96.0	277	135B	13
14	21.6B	60.0B	42.4B	192	233	73.4	33.0	285	33.4	115	208	125B	14
15	21.0B	56.0B	48.0B	213	223	67.0	31.3	254	33.0	211	170	120B	15
16	20.6B	53.0B	58.0B	386	191	62.8	30.7	209	68.2	202	152	115B	16
17	20.2B	51.0B	68.0B	659	172	60.1	29.8	158	154	163	144	110B	17
18	30.0B	49.0B	78.0B	702	176	57.2	28.8	126	105	136	167	165B	18
19	34.0B	47.0B	88.0B	598	282	62.0	28.5	129	74.3	123	178	147B	19
20	39.0B	45.0B	98.0B	504	259	73.2	28.3	135	61.4	162	186	135B	20
21	46.0B	43.0B	112 B	569	215	73.7	27.6	110	53.2	154	212	128B	21
22	50.6B	41.0B	126 B	685	200	70.0	26.7	89.4	48.0	130	185	230B	22
23	46.0B	41.0B	130 B	610	298	74.8	26.5	77.3	46.8	114	172	315B	23
24	40.0B	44.0B	132 B	565	368	84.7	34.4	68.4	99.2	135	175	210B	24
25	36.5B	46.0B	135 B	544	300	126	118	62.0	113	599	214	190B	25
26	39.0B	47.1B	150 B	517	243	127	240	57.5	86.3	593	249	170B	26
27	48.0B	44.0B	130 B	596	205	96.6	236	53.4	69.3	373	219	155B	27
28	76.0B	41.0B	115 B	806	179	78.3	160	53.1	59.8	265	192	145B	28
29	90.0B		105 B	789	162	68.0	119	75.3	54.3	217	216	133B	29
30	105 B		98.0B	586	172	59.4	94.5	78.0	50.2	189	258	128B	30
31	96.0B		92.0B		319		71.8	66.6		167		120B	31
TOTAL	1 204.0	1 648.6	2 271.4	13 417.0	8 497	3 161.9	1 918.8	3 498.8	1 758.7	5 078.0	5 227.2	5 570	TOTAL
MEAN	38.8	58.9	73.3	447	274	105	61.9	113	58.6	164	174	180	MEAN
MAX	105	85.0	150	806	509	284	240	467	154	599	341	345	MAX
MIN	20.2	41.0	32.5	88.0	162	57.2	26.5	42.3	33.0	50.2	91.9	110	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 146
MAXIMUM DAILY, 806 ON APR 28
MINIMUM DAILY, 20.2B ON JAN 17
MAXIMUM INSTANTANEOUS,
906 AT 20:07 AST ON APR 28

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 44 10 N
LONG 065 49 36 W
DRAINAGE AREA, 5 050 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	104 000	JUL	166 000
FEB	142 000	AUG	302 000
MAR	196 000	SEP	152 000
APR	1 160 000	OCT	439 000
MAY	734 000	NOV	452 000
JUN	273 000	DEC	481 000

TOTAL DISCHARGE, 4 600 000 dam³

NEW BRUNSWICK

SPEDNIC LAKE AT ST. CROIX - STATION NO. 01AR010

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	115.771	115.756	115.871	116.240	117.433	117.374	117.300	117.110	116.569	115.962	116.061	116.727	1
2	115.737	115.771	115.858	116.265	117.439	117.347	117.296	117.097	116.557	115.943	116.064	116.754	2
3	115.724	115.785	115.847	116.291	117.414	117.323	117.300	117.061	116.545	115.930	116.085	116.754	3
4	115.723	115.811	115.824	116.360	117.408	117.314	117.303	117.029	116.532	115.877	116.110	116.775	4
5	115.698	115.837	115.789	116.465	117.391	117.324	117.308	117.001	116.517	115.885	116.129	116.871	5
6	115.690	115.854	115.773	116.554	117.401	117.293	117.290	116.969	116.499	115.868	116.133	116.921	6
7	115.681	115.869	115.757	116.621	117.376	117.275	117.286	116.933	116.482	115.847	116.176	116.951	7
8	115.672	115.880	115.731	116.671	117.372	117.279	117.275	116.899	116.469	115.822	116.207	116.977	8
9	115.670	115.878	115.692	116.709	117.362	117.256	117.265	116.867	116.428	115.814	116.227	117.011	9
10	115.664	115.894	115.646	116.765	117.343	117.259	117.288	116.834	116.414	115.807	116.203	117.043	10
11	115.653	115.915	115.611	116.837	117.377	117.255	117.292	116.832	116.385	115.789	116.308	117.071	11
12	115.643	115.933	115.586	116.890	117.409	117.254	117.294	116.843	116.362	115.771	116.370	117.071	12
13	115.637	115.941	115.557	116.933	117.407	117.257	117.289	116.814	116.337	115.756	116.388	117.093	13
14	115.635	115.945	115.526	116.977	117.427	117.257	117.274	116.802	116.306	115.759	116.393	117.113	14
15	115.630	115.950	115.488	117.039	117.444	117.253	117.254	116.779	116.280	115.762	116.393	117.123	15
16	115.625	115.964	115.480	117.124	117.449	117.240	117.247	116.757	116.329	115.748	116.403	117.161	16
17	115.617	115.984	115.491	117.202	117.443	117.225	117.258	116.733	116.290	115.712	116.426	117.168	17
18	115.611	115.976	115.562	117.275	117.458	117.214	117.252	116.726	116.256	115.671	116.467	117.177	18
19	115.610	115.976	115.628	117.329	117.481	117.211	117.249	116.708	116.241	115.694	116.510	117.199	19
20	115.598	115.969	115.697	117.370	117.499	117.214	117.230	116.683	116.233	115.686	116.529	117.225	20
21	115.592	115.956	115.767	117.419	117.508	117.217	117.213	116.662	116.207	115.529	116.550	117.237	21
22	115.596	115.946	115.826	117.463	117.529	117.233	117.198	116.654	116.161	115.318	116.555	117.276	22
23	115.594	115.946	115.884	117.483	117.527	117.235	117.187	116.644	116.152	115.599	116.552	117.332	23
24	115.581	115.965	115.955	117.489	117.516	117.248	117.174	116.623	116.142	115.667	116.579	117.422	24
25	115.578	115.951	116.015	117.479	117.488	117.262	117.169	116.614	116.104	115.805	116.597	117.491	25
26	115.591	115.936	116.066	117.474	117.460	117.284	117.185	116.603	116.082	115.863	116.657	117.514	26
27	115.616	115.915	116.106	117.469	117.434	117.306	117.170	116.605	116.064	115.912	116.651	117.515	27
28	115.627	115.891	116.134	117.463	117.403	117.320	117.157	116.613	116.041	115.923	116.668	117.490	28
29	115.647		116.160	117.461	117.390	117.313	117.136	116.615	116.009	115.980	116.696	117.470	29
30	115.713		116.185	117.449	117.424	117.306	117.118	116.603	115.969	116.022	116.711	117.449	30
31	115.746		116.211		117.403		117.103	116.590		116.047		117.431	31
MEAN	115.651	115.907	115.798	117.019	117.433	117.272	117.237	116.784	116.299	115.812	116.393	117.155	MEAN
MAX	115.771	115.984	116.211	117.489	117.529	117.374	117.308	117.110	116.569	116.047	116.711	117.515	MAX
MIN	115.578	115.756	115.480	116.240	117.343	117.213	117.103	116.590	115.969	115.599	116.061	116.727	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN, 116.567
MAXIMUM DAILY, 117.529 ON MAY 22
MINIMUM DAILY, 115.480 ON MAR 16
MAXIMUM INSTANTANEOUS,
117.537 AT 15:04 AST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 34 09 N
LONG 067 25 41 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED SINCE 1967

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ST. CROIX RIVER AT BARING - STATION NO. 01AR005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.2	54.4	81.6	104	104	248	29.7	30.9	64.8	71.6	73.6	76.7	1
2	28.9	53.5	81.3	103	102	228	28.6	34.5	64.0	81.3	75.9	67.1	2
3	30.6	56.1	82.7	106	99.4	204	31.7	32.3	62.3	92.6	71.5	61.8	3
4	42.2	55.2	83.5	150	91.7	166	34.8	48.4	63.7	85.5	70.5	65.4	4
5	66.0	56.9	83.3	212	79.0	150	62.0	49.8	73.1	79.3	67.7	112	5
6	56.6	52.4	82.7	234	85.2	121	34.5	45.9	88.1	87.2	71.1	103	6
7	48.1	53.8	82.7	206	90.3	94.3	26.2	47.3	87.2	86.9	78.4	98.5	7
8	40.5	58.0	82.4	163	95.5	92.0	25.5	38.8	77.6	78.7	61.7	96.8	8
9	45.3	52.8	77.5	121	74.8	91.5	29.4	46.4	74.5	57.5	64.6	96.6	9
10	48.1	56.6	73.6	137	72.2	91.5	28.3	48.4	75.9	66.8	63.4	95.4	10
11	56.6	66.8	74.2	181	94.6	81.3	27.4	46.2	72.8	63.7	109	78.4	11
12	64.8	75.9	75.0	178	94.3	76.5	27.3	69.4	69.7	66.0	125	62.9	12
13	34.0	79.3	76.5	151	92.3	74.5	26.5	71.9	68.5	62.9	93.7	57.5	13
14	30.9	78.7	78.2	149	129	67.4	26.7	77.9	90.0	64.8	94.0	59.2	14
15	35.7	78.2	82.1	147	122	49.8	29.2	81.0	91.7	63.1	92.3	59.7	15
16	42.8	77.9	87.8	170	125	47.0	30.6	80.4	94.9	53.2	91.2	61.7	16
17	38.8	78.4	92.3	207	122	39.9	26.4	68.0	93.7	59.7	74.2	66.8	17
18	31.7	83.5	103	178	134	45.6	29.2	53.2	88.3	57.5	65.4	64.3	18
19	30.6	84.7	130	147	129	45.0	35.7	50.7	83.4	64.0	64.6	85.8	19
20	30.0	83.5	153	146	104	44.2	26.8	49.6	68.2	69.7	65.1	96.8	20
21	29.7	86.1	189	146	92.9	39.6	26.7	52.4	69.1	65.1	64.8	93.2	21
22	29.4	83.6	197	130	95.1	43.9	26.8	58.9	50.7	73.9	64.6	87.8	22
23	30.9	86.7	219	96.8	119	43.9	27.9	54.1	58.6	92.6	64.3	100	23
24	28.9	88.3	224	87.5	167	54.1	25.9	49.0	59.5	100	65.1	204	24
25	34.3	86.1	186	97.4	173	48.7	42.8	49.0	49.8	107	65.7	260	25
26	68.0	86.7	183	109	170	47.9	51.0	46.4	47.3	98.5	65.4	267	26
27	85.2	83.8	159	112	155	39.4	52.1	65.4	44.7	92.3	64.0	251	27
28	60.0	82.4	117	110	132	41.6	57.2	70.8	45.0	93.7	68.8	215	28
29	39.6		102	107	101	37.9	54.1	77.0	50.4	98.8	76.7	155	29
30	53.5		107	106	140	32.3	41.1	62.0	67.4	94.9	64.8	135	30
31	56.4		110		286		27.9	63.4		79.9		137	31
TOTAL	1 347.3	2 023.5	3 551.4	4 291.7	3 661.0	2 486.8	1 050.0	1 719.4	2 074.9	2 408.7	2 236.7	3 461.4	TOT
MEAN	43.5	72.3	115	143	118	82.9	33.9	55.5	69.2	77.7	74.6	112	MEA
MAX	85.2	88.3	224	234	286	248	62.0	81.0	94.9	107	125	267	MAX
MIN	28.9	52.4	72.5	87.5	72.2	32.3	25.5	30.9	44.7	53.2	61.7	51.8	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.0
MAXIMUM DAILY, 286 ON MAY 31
MINIMUM DAILY, 25.5 ON JUL 08
MAXIMUM INSTANTANEOUS,
294 AT 03:15 EST ON MAY 31

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 08 12 N
LONG 067 19 05 W
DRAINAGE AREA, 3 550 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	116 000	JUL	90 700
FEB	175 000	AUG	149 000
MAR	307 000	SEP	179 000
APR	371 000	OCT	208 000
MAY	316 000	NOV	193 000
JUN	215 000	DEC	299 000

TOTAL DISCHARGE, 2 620 000 dam³

ST. CROIX RIVER AT VANCEBORO - STATION NO. 01AR004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.3	9.63	27.6	6.77	37.7	81.8	18.0	18.6	30.3	32.3	6.12	6.26	1
2	18.2	10.1	31.1	6.77	36.8	67.4	18.0	18.6	30.0	32.3	6.12	6.26	2
3	18.2	10.1	30.9	6.82	36.8	54.7	18.0	26.9	30.0	32.3	6.12	6.26	3
4	18.0	10.3	30.6	6.91	36.5	43.6	18.0	34.0	29.7	31.7	6.12	6.26	4
5	17.9	10.3	30.3	7.08	36.5	43.6	18.0	33.7	29.7	32.0	6.12	6.26	5
6	17.9	10.3	30.3	7.16	36.5	43.3	18.0	33.4	34.5	32.0	6.12	6.26	6
7	17.8	10.3	30.0	7.22	32.8	38.8	18.0	33.1	37.7	31.7	6.12	6.26	7
8	17.8	13.9	30.0	7.31	25.3	20.7	18.0	32.8	37.4	31.1	6.12	6.26	8
9	17.7	17.7	35.4	7.31	25.3	17.4	11.9	32.6	37.1	31.1	6.12	6.26	9
10	17.6	17.7	39.4	7.33	25.3	17.4	6.68	32.0	37.1	31.1	6.12	6.26	10
11	17.6	17.8	39.1	7.48	25.4	13.9	6.48	32.0E	36.5	31.1	6.14	6.26	11
12	17.5	17.8	38.5	7.56	25.5	10.2	6.37	32.0E	36.0	31.1	6.17	6.26	12
13	17.5	17.8	38.2	7.62	25.4	6.85	12.6	32.0E	35.7	30.9	6.17	6.26	13
14	17.5	17.8	38.2	7.62	25.5	11.2	17.9	32.0E	35.7	30.9	6.17	6.26	14
15	17.4	17.8	38.2	7.65	25.6	17.8	17.9	31.7E	31.7	30.6	6.17	6.26	15
16	17.4	18.0	38.2	7.82	24.9	17.8	12.8	31.4E	22.?	30.6	6.17	6.26	16
17	17.4	18.0	31.1	7.87	24.3	17.8	7.16	31.1E	35.1	30.6	6.17	6.26	17
18	17.4	18.1	12.5	7.99	24.4	12.4	7.16	31.1E	33.1	30.6	6.20	6.26	18
19	17.4	21.9	9.91	8.01	24.5	6.77	7.16	31.1E	17.3	30.3	6.26	6.26	19
20	17.4	24.8	8.16	8.38	24.6	10.1	14.0	31.1E	13.8	30.3	6.31	6.26	20
21	17.3	24.8	7.16	9.15	24.6	12.5	18.9	31.1E	32.3	30.0	6.31	6.26	21
22	17.1	24.6	7.16	16.6	36.0	11.5	18.9	31.1E	34.5	29.4	6.31	6.26	22
23	17.1	25.9	7.39	30.9	55.2	10.3	18.9	31.1E	34.3	25.9	6.26	6.26	23
24	17.1	25.9	7.02	41.9	59.2	10.3	18.9	30.6	34.3	16.5	6.26	17.1	24
25	17.3	25.8	6.88	46.7	66.0	10.3	18.9	30.6	34.0	8.58	6.26	41.3	25
26	16.3	25.7	6.80	46.7	65.7	10.3	18.9	30.6	33.7	6.29	6.26	56.9	26
27	9.77	25.7	6.77	45.9	65.4	10.3	22.5	30.6	33.4	6.06	6.26	58.9	27
28	9.77	25.5	6.77	41.1	59.7	10.3	24.9	30.3	33.4	6.06	6.26	58.9	28
29	9.77		6.77	38.8	48.4	14.2	24.7	30.3	32.8	6.06	6.26	57.5	29
30	9.77		6.77	38.8	62.3	18.0	20.8	30.3	32.6	6.06	6.26	57.5	30
31	10.1		6.77		90.0		18.7	30.3		6.12		57.5	31
TOTAL	505.28	514.03	683.93	505.23	1 212.1	671.52	497.11	948.1	966.0	771.63	185.83	549.58	TOTAL
MEAN	16.3	18.4	22.1	16.8	39.1	22.4	16.0	30.6	32.2	24.9	6.19	17.7	MEAN
MAX	18.3	25.9	39.4	46.7	90.0	81.8	24.9	34.0	37.7	32.3	6.31	58.9	MAX
MIN	9.77	9.63	6.77	6.77	24.3	6.77	6.37	18.6	13.8	6.06	6.12	6.26	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.9
MAXIMUM DAILY, 90.0 ON MAY 31
MINIMUM DAILY, 6.06 ON OCT 27
MAXIMUM INSTANTANEOUS,
92.6 AT 16:45 EST ON MAY 30

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 34 08 N
LONG 067 25 47 W
DRAINAGE AREA, 1 080 km²

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	43 700	JUL	43 000
FEB	44 400	AUG	81 900
MAR	59 100	SEP	83 500
APR	43 700	OCT	66 700
MAY	105 000	NOV	16 100
JUN	58 000	DEC	47 500

TOTAL DISCHARGE, 693 000 dam³

ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE - STATION NO. 01AD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.22E	4.51	4.01	15.2	167	30.6	15.4	4.32	4.22	11.2	35.6	44.3	1
2	3.26E	4.38	3.92	14.8	154	28.1	14.5	4.18	4.12	12.9	32.8	50.5	2
3	3.29A	4.63	3.86	14.4	141	26.0	13.7	3.99	3.92	15.3	30.4	51.3	3
4	3.10	4.69	3.90	14.5	128	24.6	13.6	3.63	3.66	16.8	28.8	49.3	4
5	3.21	4.69	3.77	15.6	112	23.0	13.2	3.47	3.61	17.9	28.0	45.9	5
6	3.14	4.77	3.68	18.7	96.3	21.5	12.2	3.30	3.54	17.8	28.4	42.4	6
7	3.08	4.77	3.69	23.4	83.4	20.5	11.4	3.29	3.65	18.0	29.5	39.8	7
8	3.10	4.72	3.58	29.0	73.2	19.6	10.8	3.43	3.65	18.1	29.3	37.2	8
9	3.14	4.68	3.48	32.8	64.3	18.6	10.3	3.54	3.48	19.4	28.0	34.7	9
10	3.11	4.63	3.44	35.2	57.2	17.8	9.83	3.36	3.25	23.2	26.9	32.4	10
11	3.13	4.80	3.38	36.0	52.6	17.1	9.25	3.59	3.12	28.8	27.9	30.2	11
12	3.07	4.72	3.37	35.0	49.4	16.2	8.72	4.11	2.76	34.1	26.6	27.4	12
13	3.14	4.63	3.32	32.9	46.9	15.3	8.23	4.28	2.70	38.0	25.5	25.7	13
14	3.10	4.62	3.23	31.3	44.3	14.4	7.77	6.33	2.67	41.2	24.4	24.2	14
15	3.07	4.59	3.40	30.2	41.1	15.2	7.29	6.77	2.68	42.9	23.4	22.4	15
16	3.14	4.52	3.44	29.8	39.3	18.2	7.06	6.77	2.80	43.0	22.9	21.3	16
17	3.14	4.96	3.81	30.8	37.1	17.1	6.72	6.67	2.75	41.1	23.0	20.6	17
18	3.08	4.91	4.52	33.2	36.9	16.1	6.33	6.69	2.69	38.7	23.7	19.9	18
19	3.04	4.90	5.13	34.7	37.4	16.0	6.05	6.80	2.61	36.7	25.7	20.0	19
20	3.16	4.77	6.39	36.8	38.9	15.8	5.73	6.52	2.59	34.5	27.3	19.5	20
21	3.17	4.66	8.43	41.9	40.6	16.3	5.61	6.21	2.59	32.6	27.6	19.0	21
22	3.13	4.58	9.89	51.5	42.0	16.7	5.25	5.86	2.57	31.2	27.1	18.9	22
23	3.14	4.61	11.7	67.3	44.5	16.5	5.30	5.39	3.78	29.5	26.9	19.3	23
24	3.14	4.61	13.7 A	84.4	49.4	17.0	5.48	4.99	5.13	30.3	26.3	22.0A	24
25	3.11	4.52	14.7 A	98.0	53.4	17.3	5.41	4.88	5.07	34.9	26.1	24.0E	25
26	3.44	4.42	16.2 A	108	53.0	17.2	5.29	4.79	7.36	43.1	26.1	26.5E	26
27	3.60	4.36	16.7	121	49.6	17.4	5.06	4.51	8.35	48.5	25.7	27.8E	27
28	3.67	4.33	16.9	144	45.4	17.6	5.05	4.37	8.94	48.4	25.1	29.0E	28
29	3.68		16.8	169	41.2	16.9	4.91	4.50	9.30	46.0	26.5	28.5A	29
30	4.08		16.3	177	37.4	16.3	4.65	4.43	9.33	42.3	34.1	28.2	30
31	4.42		15.8		33.8		4.38	4.29		38.9		28.2	31
TOTAL	101.30	130.08	234.44	1 606.4	1 990.6	560.9	254.47	149.26	127.87	975.3	819.6	930.4	TOTAL
MEAN	3.27	4.65	7.56	53.5	64.2	18.7	8.21	4.81	4.26	31.5	27.3	30.0	MEAN
MAX	4.42	4.96	16.9	177	167	30.6	15.4	6.80	9.33	48.5	35.6	51.3	MAX
MIN	3.04	4.33	3.23	14.4	33.8	14.4	4.38	3.29	2.57	11.2	22.9	18.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.6
MAXIMUM DAILY, 177 ON APR 30
MINIMUM DAILY, 2.57 ON SEP 22
MAXIMUM INSTANTANEOUS,
178 AT 06:28 AST ON APR 30

SUMMARY FOR THE YEAR 1990

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 12 25 N
LONG 068 57 25 W
DRAINAGE AREA, 1 350 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	8 750	JUL	22 000
FEB	11 200	AUG	12 900
MAR	20 300	SEP	11 000
APR	139 000	OCT	84 300
MAY	172 000	NOV	70 800
JUN	48 500	DEC	80 400

TOTAL DISCHARGE, 681 000 dam³

NEW BRUNSWICK

TETAGOUCHE RIVER NEAR WEST BATHURST - STATION NO. 01BJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.800B	2.18B	1.38B	2.80B	55.0 E	10.3	2.78	2.77	2.03	1.54	9.25	14.7 E
2	1.00 B	2.09B	1.36B	2.85B	66.5 E	9.13	2.49	2.87	1.92	1.66	8.61	12.8 E
3	1.15 B	2.02B	1.35B	3.05B	47.8 A	8.04	2.34	2.52	1.77	1.54	8.18	11.3 E
4	1.13 B	1.98B	1.34B	3.74B	35.9	7.59	2.19	2.15	1.74A	1.42	8.39	9.95E
5	1.11 B	1.93B	1.33B	6.40B	29.4	7.33	2.18	1.89	1.65E	1.37	8.50	11.1 B
6	1.08 B	1.88B	1.32B	8.70B	27.0	6.42	1.99	1.76	1.60E	1.43	8.11	10.5 B
7	1.06 B	1.83B	1.31B	11.0 B	26.7	5.94	1.84	1.69	1.88E	1.45	8.60	9.50B
8	1.04 B	1.78B	1.30B	16.2 B	21.3	6.79	1.79	1.53	2.15E	1.54	8.60	8.50B
9	1.01 B	1.74B	1.29B	14.2 B	18.1	5.96	1.79	1.49	1.89E	2.06	7.87	7.70B
10	0.990B	1.70B	1.28B	12.0 B	15.7	5.30	1.76	1.43	1.74A	4.34	7.70	7.20B
11	0.970B	1.68B	1.26B	10.2 B	14.6	4.86	1.82	2.32	1.64	4.45	13.5	6.70B
12	0.950B	1.65B	1.25B	7.70B	13.7	4.50	1.75	8.54	1.51	4.37	16.0	6.10B
13	0.930B	1.63B	1.24B	7.20B	12.2	4.19	1.60	7.00	1.42	4.73	12.0	5.60B
14	0.920B	1.60B	1.23B	7.60B	11.0	3.81	1.43	11.3	1.35	8.30	10.9	5.20B
15	0.910B	1.58B	1.22B	12.2 B	10.1	3.43	1.30	13.1	1.41	9.80	9.64	4.85B
16	0.920B	1.56B	1.25B	22.0 B	9.62	3.23	1.30	9.89	1.92	8.43	9.16	4.60B
17	0.960B	1.54B	1.32B	37.0 B	9.29	3.13	1.31	7.40	1.96	7.03	10.4	4.40B
18	1.04 B	1.52B	1.44B	35.4 E	10.2	2.90	1.25	5.98	1.82	6.25	11.4	4.35B
19	0.980B	1.50B	1.60B	31.6	13.1	3.02	1.13	5.37	1.74	9.03	12.1	4.60B
20	0.940B	1.48B	1.72B	29.3	18.5	3.60	1.04	4.71	1.66	10.4	20.2	4.85B
21	0.920B	1.46B	1.95B	39.4	18.8	3.68	0.966	4.17	1.62	8.04	18.4	4.35B
22	0.900B	1.45B	2.10B	42.2	27.3	3.69	0.847	3.74	1.53	7.12	15.6	4.00B
23	0.880B	1.44B	2.10B	38.6	27.4	4.26	0.959	3.39	1.73	6.56	14.0	3.90B
24	0.870B	1.43B	2.75B	39.7	20.1	5.47	5.00	3.10	2.58	21.3	14.3	4.70B
25	0.860B	1.42B	3.00B	39.5 A	16.2	6.42	7.01	2.83	2.22	42.8	16.5	4.50B
26	1.20 B	1.41B	3.05B	36.5 E	14.0	5.03	10.6	2.74	2.05	31.1	16.0 A	4.20B
27	1.88 B	1.40B	3.00B	48.0 E	12.3	4.01	7.12	2.56	1.88	20.8	14.4 E	3.85B
28	2.55 B	1.39B	2.95B	73.0 E	10.8	3.90	5.12	2.67	1.68	14.5 A	13.0 E	3.55B
29	2.48 B		2.90B	45.5 E	10.2	3.62	4.22	2.56	1.57	13.3 E	14.2 E	3.35B
30	2.38 B		2.85B	39.5 E	11.0	3.13	3.23	2.42	1.51	12.0 E	16.3 E	3.90B
31	2.28 B		2.80B		11.8		2.79	2.16		10.8 A		3.70B
TOTAL	37.090	46.27	56.44	724.24	645.61	152.69	82.912	128.05	53.17	279.46	361.81	198.20
MEAN	1.20	1.65	1.82	24.1	20.8	5.09	2.67	4.13	1.77	9.01	12.1	6.39
MAX	2.55	2.18	3.05	73.0	66.5	10.3	10.6	13.1	2.58	42.8	20.2	14.7
MIN	0.800	1.39	1.22	2.80	9.29	2.90	0.847	1.43	1.35	1.37	7.70	3.35

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.58
MAXIMUM DAILY, 73.0E ON APR 28
MINIMUM DAILY, 0.800B ON JAN 01

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 39 21 N
LONG 065 41 37 W
DRAINAGE AREA, 363 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 200	JUL	7 160
FEB	4 000	AUG	11 100
MAR	4 880	SEP	4 590
APR	62 600	OCT	24 100
MAY	55 800	NOV	31 300
JUN	13 200	DEC	17 100

TOTAL DISCHARGE, 239 000 dam³

TOBIQUE RIVER AT NARROWS - STATION NO. 01AH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	52.5	70.4	47.5	54.7	354	87.9	44.1	68.7	53.0	72.5	195	170
2	63.9	81.7	37.9	65.4	362	61.3	37.4	76.6	38.8	46.7	161	172
3	54.3	77.4	32.3	67.5	365	58.9	31.6	65.0	42.4	45.9	153	147
4	64.1	53.1	32.6	95.6	289	68.2	30.5	54.7	32.7	53.5	141	149
5	68.9	60.4	36.4	114	249	63.9	34.4	46.4	34.6	59.1	160	182
6	60.9	62.9	43.0	262	221	54.0	44.7	46.3	38.3	38.6	128	188
7	66.3	61.4	47.0	243	196	75.8	22.5	35.2	45.4	59.3	116	152
8	73.8	60.2	37.0	188	166	59.0	37.9	40.3	31.2	51.4	106	125
9	65.0	85.0	34.7	166	158	54.3	33.2	43.3	44.6	59.9	111	118
10	58.6	101	22.8	140	134	42.3	40.0	44.8	32.3	72.9	118	107
11	74.7	19.4	23.0	117	145	56.0	32.4	43.6	19.9	113	189	99.3
12	73.9	56.9	51.1	112	162	44.9	29.6	206	26.5	117	299	80.2
13	66.0	57.0	30.2	113	150	41.8	26.3	152	25.5	119	216	90.8
14	67.7	67.7	20.2	114	123	29.0	33.9	222	28.7	330	169	110
15	63.5	51.3	59.2	116	122	30.3	19.7	328	51.0	436	136	80.0
16	57.8	21.8	79.0	177	105	53.7	33.1	212	52.9	327	127	69.6
17	62.9	42.7	32.3	316	99.6	10.2	24.8	154	46.9	269	124	94.5
18	65.7	59.2	55.4	314	114	66.4	31.7	130	32.7	232	156	108
19	67.6	61.4	61.9	250	116	52.2	35.4	158	28.8	214	162	117
20	91.8	59.8	93.1	253	94.8	72.7	16.0	123	35.3	247	172	118
21	57.3	52.2	92.7	349	106	49.4	21.9	96.1	28.8	205	163	112
22	80.6	46.0	54.9	386	110	82.0	10.0	87.2	29.3	177	119	115
23	77.6	31.9	35.6	471	192	64.0	37.0	71.4	50.4	179	120	114
24	72.5	37.0	77.7	355	131	65.6	154	67.4	53.9	332	162	278
25	70.5	43.2	84.4	348	121	91.3	300	60.5	49.8	815	221	215
26	110	34.0	84.2	494	119	58.1	282	53.8	47.0	603	201	158
27	86.9	43.6	103	412	119	41.0	212	43.7	12.1	484	170	155
28	49.3	4.77	95.1	646	69.9	62.3	179	53.1	25.3	425	168	121
29	42.7		55.5	464	118	73.9	126	56.2	32.0	354	183	97.2
30	476		80.8	395	65.7	46.4	98.3	64.2	14.5	252	199	115
31	97.3		69.3		110		78.2	58.5		225		184
TOTAL	2 573.2	1 503.37	1 679.8	7 597.2	5 007.0	1 716.8	2 139.6	2 962.2	1 086.6	7 014.8	4 845	4 141.6
MEAN	83.0	53.7	54.2	253	162	57.2	69.0	95.6	36.2	226	162	134
MAX	476	101	103	646	365	91.3	300	328	53.9	815	299	278
MIN	49.3	4.77	20.2	54.7	65.7	10.2	10.0	35.2	12.1	33.5	106	69.6

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 116
MAXIMUM DAILY, 815 ON OCT 25
MINIMUM DAILY, 4.77 ON FEB 28

DATA CONTRIBUTED BY -
NEW BRUNSWICK ELECTRIC POWER COMMISSION

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 46 47 30 N
LONG 067 41 00 W
DRAINAGE AREA, 4 330 km²

REGULATED SINCE 1954

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	222 000	JUL	185 000
FEB	130 000	AUG	256 000
MAR	145 000	SEP	93 900
APR	656 000	OCT	606 000
MAY	433 000	NOV	419 000
JUN	148 000	DEC	358 000

TOTAL DISCHARGE, 3 650 000 dam

TOBIQUE RIVER AT PLASTER ROCK - STATION NO. 01AH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.0B	67.0B	23.6B	40.5B	251	64.1	36.4	66.3	49.8	35.5E	162	145	1
2	43.5B	65.0B	22.0B	45.0B	262	60.9	34.0	67.2	39.1	30.0E	138	132	2
3	45.0B	62.5B	21.5B	56.0B	263	60.8	32.3	58.9	37.5	42.0E	125	123	3
4	47.0B	60.0B	23.0B	68.0B	218	58.0	35.4	51.9	37.3	38.5E	143	143	4
5	50.0B	58.0B	22.0B	80.0B	186	58.8	37.1	46.8	31.6	34.0E	130	150	5
6	49.5B	55.0B	21.5B	99.0B	163	56.7	32.0	43.0	31.2	31.0E	102	147	6
7	48.5B	53.0B	20.8B	94.0B	147	50.5	29.9	40.5	31.7	30.0E	94.5	117	7
8	47.5B	50.0B	20.6B	90.0B	130	44.8	30.2	40.0	47.1	34.0E	86.4	98.3	8
9	45.5B	48.0B	21.4B	87.0B	116	43.3	29.9	38.2	36.6	42.0E	86.0	92.0B	9
10	47.0B	46.0B	21.0B	84.0B	109	46.2	31.9	36.4	31.0A	52.0E	94.6	85.0B	10
11	52.0B	44.0B	20.0B	81.0B	109	45.1	32.4	48.3	28.0E	58.0E	143	77.0B	11
12	51.0B	43.0B	19.5B	77.0B	125	38.3	29.2	126	25.2E	68.0E	196	65.0B	12
13	49.5B	42.0B	19.0B	74.0B	112	34.3	30.2	95.0	24.0E	90.0E	156	76.0B	13
14	48.5B	43.0B	18.5B	71.0B	101	32.1	24.8	152	33.3E	200 E	129	90.0B	14
15	47.0B	40.0B	19.0B	80.0B	94.2	29.9	23.4	219	26.0E	270 E	104	70.0B	15
16	48.0B	37.5B	21.0B	100 B	87.9	29.1	22.6	148	50.0E	240 E	97.0	56.0B	16
17	50.0B	36.0B	23.0B	175	81.8	29.8	22.1	113	40.0E	200 E	101	64.0B	17
18	53.0B	34.5B	28.0B	178	85.1	30.7	21.5	100	35.0E	170 E	120	77.0B	18
19	58.0B	34.0B	33.0B	156	95.7	41.9	20.5	110	30.0E	165 E	128	89.0B	19
20	56.5B	34.5B	42.0B	150	86.2	47.7	28.1	99.2	27.2E	180 E	120	91.0B	20
21	55.5B	31.0B	53.0B	204	80.1	55.2	28.9	83.9	37.5E	153 E	117	85.0B	21
22	55.0B	28.0B	51.0B	235	85.1	56.6	22.3	80.2	28.0E	130 E	98.1	87.0B	22
23	54.5B	26.0B	50.0B	241	105	54.0	23.6	68.9	32.0E	146 A	105	130 B	23
24	55.5B	25.0B	49.0B	237	95.6	57.3	145	64.7	35.0E	243	132	210 B	24
25	59.0B	25.0B	47.5B	241	87.0	63.8	191	57.5	33.0E	546	146	173 B	25
26	62.0B	24.0B	47.9B	233	82.4	55.0	175	51.9	31.0E	435	145	125 B	26
27	65.0B	22.9B	45.4B	274	80.2	49.6	139	48.6	29.0E	360	133	114 B	27
28	69.5B	23.4B	44.0B	344	75.9	50.1	122	58.2	27.0E	293	135	95.0B	28
29	74.0B		43.0B	326	69.2	45.5	93.4	56.7	26.0E	253	130	77.0B	29
30	70.7B		42.0B	275	66.8	40.6	79.3	65.8	28.0E	220	146	86.0B	30
31	69.0B		41.5B		71.6		69.7	49.9		190		110 B	31
TOTAL	1 668.7	1 158.3	974.7	4 495.5	3 721.8	1 430.7	1 672.7	2 386.0	998.3	4 999.0	3 722.6	3 259.3	TOTAL
MEAN	53.8	41.4	31.4	150	120	47.7	54.0	77.0	33.3	161	124	105	MEAN
MAX	74.0	67.0	53.0	344	263	64.1	191	219	50.0	546	196	210	MAX
MIN	42.0	22.9	18.5	40.5	66.8	29.1	20.5	36.4	24.0	30.0	86.0	56.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 83.5
MAXIMUM DAILY, 546 ON OCT 25
MINIMUM DAILY, 18.5B ON MAR 14
MAXIMUM INSTANTANEOUS,
580 AT 10:16 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 54 18 N
LONG 067 23 42 W
DRAINAGE AREA, 3 130 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1954

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	144 000	JUL	145 000
FEB	100 000	AUG	206 000
MAR	84 200	SEP	86 300
APR	388 000	OCT	432 000
MAY	322 000	NOV	322 000
JUN	124 000	DEC	282 000

TOTAL DISCHARGE, 2 640 000 dam³

TOBIQUE RIVER AT RILEY BROOK - STATION NO. 01AH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	29.0B	47.5B	16.5B	30.0B	178	45.1	27.5	43.9	32.0	25.9	130	107	1
2	30.3B	46.5B	15.3B	33.0B	191	46.6	26.3	41.6	29.8	24.3	109	92.5	2
3	31.3B	45.0B	16.2B	35.0B	184	46.4	25.4	39.2	27.0	27.5	103	96.1	3
4	32.5B	42.5B	16.0B	41.1	157	45.3	27.7	35.8	27.0	27.1	99.1	91.0	4
5	34.8B	41.0B	15.7B	64.5	137	45.3	27.1	33.0	25.7	22.5	93.6	114	5
6	36.3B	39.0B	15.3B	69.7	121	44.5	24.7	31.0	24.6	22.6	75.8	105	6
7	35.0B	38.0B	15.0B	65.3	107	37.8	24.1	30.7	27.3	21.7	69.7	81.3	7
8	34.2B	36.5B	15.2B	61.7	96.5	36.4	23.9	28.5	31.7	22.1	66.6	76.7	8
9	33.8B	35.0B	15.3B	59.2	89.5	35.3	23.7	28.3	25.3	34.7	69.9	69.0B	9
10	32.5B	34.0B	14.9B	56.9	83.9	37.6	24.7	26.7	23.1	49.4	68.4	64.0B	10
11	36.0B	33.0B	14.5B	53.9	82.0	34.4	24.2	33.7	20.5	52.0	105	59.0B	11
12	35.0B	32.0B	14.0B	51.1	91.2	31.3	23.9	61.1	17.9	57.1	127	54.0B	12
13	34.0B	31.0B	13.5B	49.3	82.1	28.1	22.1	48.1	17.5	80.2	109	48.0B	13
14	33.5B	30.0B	13.0B	47.2	76.6	25.3	19.6	92.6	24.3	172	83.8	63.0B	14
15	33.0B	29.0B	14.2B	49.9	72.1	24.5	18.6	127	18.4	195	71.5	52.0B	15
16	33.1B	28.0B	17.0B	65.1	65.9	24.2	17.7	83.6	35.4	173 A	66.4	40.0B	16
17	35.0B	27.0B	23.0B	83.9	62.4	25.4	17.4	70.7	26.3	147 E	70.8	48.0B	17
18	37.5B	26.0B	33.0B	98.7	65.3	31.1	16.7	64.8	23.0	122 E	87.6	54.0B	18
19	41.7B	27.0B	41.0B	90.5	66.8	27.1	19.0	75.2	20.9	119 E	83.6	64.0B	19
20	40.5B	24.0B	39.5B	91.0	62.8	34.6	24.8	60.9	19.6	130 E	85.6	62.0B	20
21	40.0B	22.8B	38.0B	118	59.8	37.4	17.8	59.8	26.5	110 E	74.9	60.5B	21
22	39.3B	21.5B	37.0B	133	60.9	35.7	15.9	50.8	19.3	108 A	68.6	59.0B	22
23	38.8B	20.3B	36.0B	146	62.6	35.8	17.1	47.4	21.7	107	80.7	71.0B	23
24	39.6B	19.0B	35.0B	150	60.8	38.9	81.8	44.8	25.6	183	87.1	101	24
25	41.5B	18.0B	34.0B	154	58.3	39.8	87.8	39.7	22.4	366	93.3	88.8	25
26	44.0B	17.0B	33.0B	152	58.2	38.3	85.7	37.5	22.2	313	102	80.0B	26
27	47.0B	16.0B	32.0B	180	57.5	33.8	68.2	39.2	19.9	257	97.6	71.0B	27
28	49.5B	16.7B	31.0B	231	55.0	34.7	60.0	39.0	19.1	217	93.7	62.0B	28
29	52.0B		30.3B	220	49.8	32.1	53.4	39.5	18.9	194	88.0	56.0B	29
30	51.5B		29.7B	191	49.0	29.5	48.8	45.7	18.8	168	96.0	62.0B	30
31	49.5B		29.0B		48.6		44.5	39.0		150		67.0B	31
TOTAL	1 181.2	841.3	743.1	2 871.5	2 692.6	1 062.3	1 040.1	1 540.8	718.7	3 697.1	2 655.3	2 218.9	TOTAL
MEAN	38.1	30.0	24.0	95.7	86.9	35.4	33.6	49.7	24.0	119	88.5	71.6	MEAN
MAX	52.0	47.5	41.0	231	191	46.6	87.8	127	35.4	366	130	114	MAX
MIN	29.0	16.0	13.0	30.0	48.6	24.2	15.9	26.7	17.5	21.3	66.4	40.0	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.2
MAXIMUM DAILY, 366 ON OCT 25
MINIMUM DAILY, 13.0B ON MAR 14
MAXIMUM INSTANTANEOUS,
386 AT 10:12 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 10 24 N
LONG 067 12 36 W
DRAINAGE AREA, 2 230 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1954

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	102 000	JUL	89 900
FEB	72 700	AUG	133 000
MAR	64 200	SEP	62 100
APR	248 000	OCT	319 000
MAY	233 000	NOV	229 000
JUN	91 800	DEC	192 000

TOTAL DISCHARGE, 1 840 000 dam³

NEW BRUNSWICK

TURTLE CREEK AT TURTLE CREEK - STATION NO. 01BU003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.770B	7.55	1.62 B	4.25	3.96	11.7	0.741	0.697	0.455	0.704	6.50	5.09
2	1.20 B	4.96	1.52 B	4.62	3.63	9.15	0.691	0.637	0.442	0.701	5.04	4.63
3	1.08 B	4.01	1.36 B	5.52	3.46	7.52	0.679	0.712	0.617	0.754	4.25	3.97
4	0.930B	3.55B	1.24 B	15.6	3.17	6.44	0.684	0.497	0.478	0.618	3.66	4.14
5	1.00 B	3.25B	1.13 B	22.5	3.07	5.60	0.690	0.450	0.447	0.788	3.22	26.8
6	0.960B	3.00B	1.05 B	16.9	5.40	4.77	0.650	0.399	0.439	0.790	3.99	14.6
7	0.890B	2.82B	0.990B	13.8	4.48	4.25	0.652	0.377	0.462	0.675	7.44	10.1
8	0.830B	2.60B	0.930B	11.1	4.12	3.74	0.665	0.374	0.773	0.633	4.53	8.79
9	0.750B	2.42B	0.880B	9.00	3.97	3.36	0.627	0.396	0.523	0.659	3.90	8.45A
10	0.745B	12.2	0.840B	8.08	3.77	3.08	0.640	0.367	0.469	0.980	3.56	6.53
11	0.780B	11.8	1.20 B	25.2	5.08	2.81	0.595	0.347	0.477	0.875	9.04	5.55
12	0.900B	7.04	1.79 B	16.7	4.95	2.59	0.594	6.42	0.442	0.770	7.17	5.00B
13	0.820B	6.33	2.80 B	11.7	4.41	2.23	0.580	2.42	0.427	0.711	6.17	4.75B
14	0.740B	5.23	2.02	9.74	22.8	1.98	0.568	1.41	0.412	0.808	5.36	4.42B
15	0.660B	4.35B	1.85	8.93	14.7	1.83	0.523	1.10	0.418	1.18	4.70	5.25B
16	0.619B	3.90B	2.00	13.1	13.2	1.66	0.514	0.912	0.481	0.931	4.16	6.40B
17	0.560B	3.41B	5.76	14.3	9.92	1.50	0.497	0.801	0.451	0.879	3.84	10.3
18	0.780B	3.00B	23.4	17.9	12.5	1.38	0.485	0.714	0.409	0.879	5.39	8.23
19	1.52 B	2.75B	13.7	12.9	10.9	1.31	0.489	1.01	0.390	1.62	12.2	22.6
20	1.30 B	2.50B	10.2	10.5	9.12	1.34	0.499	0.812	0.672	1.67	16.2	13.3
21	1.04 B	2.28B	13.4	10.4	8.62	1.34	0.476	0.683	1.35	1.41	11.5	10.1
22	0.910B	2.80B	10.5	9.26	10.2	1.28	0.446	0.591	0.687	1.29	11.4	19.0
23	0.800B	3.50B	13.6	8.05	34.4	1.19	0.500	0.573	1.05	1.18	10.7	17.5
24	0.730B	4.40B	14.5	6.87	27.4	1.39	0.556	0.570	1.44	2.94	10.6	37.3
25	0.660B	5.20B	10.6	5.99	17.8	1.16	0.667	0.532	0.996	4.84	10.8	32.6
26	3.00 B	3.60B	9.07	5.43	13.0	0.995	0.603	0.510	0.878	3.61	10.0	18.4
27	16.5 B	2.74B	7.61	5.12	10.0	0.913	0.533	0.507	0.796	3.74	8.10	12.1
28	13.5 B	2.20B	6.56	5.42	7.98	0.939	0.506	0.500	0.726	3.16	7.39	9.60B
29	8.40 B		5.58	4.75	6.45	0.867	0.458	0.508	0.707	5.72	6.58	7.51
30	6.53		4.82	4.29	19.1	0.790	0.416	0.507	0.694	14.8	5.73	7.04
31	7.66		4.26		16.9		0.412	0.461		9.34		7.71
TOTAL	77.564	123.39	176.780	318.00	318.46	89.104	17.636	26.994	19.008	69.655	213.12	356.76
MEAN	2.50	4.41	5.70	10.6	10.3	2.97	0.569	0.871	0.634	2.25	7.10	11.5
MAX	16.5	12.2	23.4	25.2	34.4	11.7	0.741	6.42	1.44	14.8	16.2	37.3
MIN	0.560	2.20	0.840	4.25	3.07	0.790	0.412	0.347	0.390	0.618	3.22	3.97

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.95
MAXIMUM DAILY, 37.3 ON DEC 24
MINIMUM DAILY, 0.347 ON AUG 11
MAXIMUM INSTANTANEOUS,
64.5 AT 19:11 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 57 29 N
LONG 064 52 44 W
DRAINAGE AREA, 129 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 700	JUL	1 520
FEB	10 700	AUG	2 330
MAR	15 300	SEP	1 640
APR	27 500	OCT	6 020
MAY	27 500	NOV	18 400
JUN	7 700	DEC	30 800

TOTAL DISCHARGE, 156 000 dam

UPSALQUITCH RIVER AT UPSALQUITCH - STATION NO. 01BE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.50B	7.90B	6.95B	14.5B	286	48.0	14.5	19.2	17.7	12.1	91.5	96.7
2	8.30B	7.70B	6.90B	14.2B	333	43.9	14.1	20.4	16.5	12.6	82.3	93.3
3	8.10B	7.50B	6.80B	14.0B	296	39.8	13.5	18.3	15.7	11.8	76.6	87.1
4	8.00B	7.40B	6.70B	13.7B	229	37.9	14.5	16.5	14.6	11.3	73.5	81.1
5	7.90B	7.30B	6.60B	25.0B	188	38.0	14.9	15.7	14.1	11.1	77.1	85.0
6	7.80B	7.10B	6.50B	46.0B	169	36.0	13.2	15.2	13.5	11.7	71.2	78.8
7	7.70B	7.00B	6.45B	52.0B	155	32.7	12.0	14.2	13.6	11.9	67.7	72.7
8	7.60B	6.90B	6.40B	51.0B	136	31.9	11.8	14.2	17.3	16.2	61.8	70.0B
9	7.47B	6.80B	6.35B	50.5B	121	29.5	11.6	14.0	15.7	23.1	57.7	63.0B
10	7.30B	6.70B	6.30B	49.0B	110	27.6	15.2	13.4	13.9	44.9	54.7	60.7
11	7.10B	6.60B	6.25B	45.0B	103	26.2	15.2 A	13.9	12.7	47.9	68.2	53.2
12	7.00B	6.50B	6.25B	42.0B	95.1	24.8	12.4	25.8	12.0	47.2	85.8	50.8
13	6.90B	6.47B	6.24B	40.0B	85.0	23.1	11.6	23.5	11.4	49.8	74.8	52.9
14	6.80B	6.30B	6.10B	38.0B	77.7	21.6	10.8	53.1	10.9	123	68.7	51.7
15	7.20B	6.10B	6.00B	36.0B	71.3	20.7	10.5	74.5	11.3	211	63.1	40.2
16	7.00B	6.00B	5.95B	46.4	66.9	19.9	10.1	55.1	20.2	164	59.5	48.4
17	6.80B	5.90B	5.90B	66.4	63.2	19.0	10.8	44.6	19.6	131	63.9	51.1
18	7.00B	5.80B	5.80B	78.9	65.0	18.7	10.2	39.2	15.5	110	69.1	47.4
19	7.40B	5.70B	5.70B	77.4	70.7	19.2	9.67	36.9	13.3	98.4	66.7	51.4
20	7.50B	5.60B	5.60B	79.2	66.6	21.2	10.3	33.3	12.8	98.4	78.0	46.1
21	7.45B	5.50B	5.95B	115	63.2	21.3	10.5	29.5	12.9	86.5	74.5	44.0B
22	7.28B	6.00B	6.30B	155	66.0	19.5	9.42	27.1	12.4	78.9	70.0	43.8B
23	7.02B	6.40B	8.40B	176	73.5	19.6	9.08	25.0	13.0	74.7	69.8	46.0B
24	7.08B	7.40B	11.5 B	193	70.9	20.9	16.4	23.6	18.3	121	74.2	52.0B
25	7.35B	7.60B	14.0 B	198	68.1	22.9	35.0	22.3	17.2	452	81.0	48.0B
26	7.75B	7.30B	16.5 B	193	64.9	20.1	37.6	20.9	14.5	299	80.5	45.0B
27	8.07B	7.10B	17.5 B	263 A	62.0	18.4	28.1	20.4	13.3	215	74.6	42.0B
28	8.40B	7.00B	17.0 B	371 E	58.8	18.0	24.2	21.2	12.6	168	75.0	38.0B
29	8.40B		16.0 B	347 A	55.0	17.2	21.5	21.6	12.2	143	83.1	39.0B
30	8.25B		15.5 B	282	53.0	15.5	19.3	20.8	12.1	122	99.0	42.0B
31	8.10B		15.0 B		53.0		18.2	18.8		105		44.0B
TOTAL	234.52	187.57	269.39	3 172.2	3 475.9	773.1	475.97	812.2	430.4	3 112.1	2 193.6	1 765.4
MEAN	7.57	6.70	8.69	106	112	25.8	15.4	26.2	14.3	100	73.1	56.9
MAX	8.50	7.90	17.5	371	333	48.0	37.6	74.5	20.2	452	99.0	96.7
MIN	6.80	5.50	5.60	13.7	53.0	15.5	9.08	13.4	10.9	11.1	54.7	38.0

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 46.3
MAXIMUM DAILY, 452 ON OCT 25
MINIMUM DAILY, 5.50B ON FEB 21
MAXIMUM INSTANTANEOUS,
494 AT 08:44 AST ON OCT 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 49 54 N
LONG 066 52 54 W
DRAINAGE AREA, 2 270 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 300	JUL	41 100
FEB	16 200	AUG	70 200
MAR	23 300	SEP	37 200
APR	274 000	OCT	269 000
MAY	300 000	NOV	190 000
JUN	66 800	DEC	153 000

TOTAL DISCHARGE, 1 460 000 dam

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.130B	0.155B	0.120B	0.282B	9.66	1.03	0.303	0.409	0.288	0.282	1.69	1.56	1
2	0.128B	0.148B	0.117B	0.275B	13.0	0.945	0.286	0.306	0.277	0.254	1.50	1.47	2
3	0.125B	0.140B	0.116B	0.291	8.14	0.864	0.291	0.232	0.264	0.227	1.40	1.35	3
4	0.123B	0.138B	0.115B	0.460	6.03	0.891	0.306	0.214	0.251	0.233	1.45	1.31	4
5	0.120B	0.136B	0.115B	0.641	4.72	0.881	0.276	0.200	0.233	0.268	1.41	1.56	5
6	0.119B	0.152B	0.113B	0.689	4.08	0.758	0.257	0.199	0.232	0.248	1.27	1.27	6
7	0.118B	0.165B	0.112B	0.671	3.91	0.636	0.253	0.187	0.269	0.336	1.23	1.13	7
8	0.117B	0.155B	0.110B	0.645	3.22	0.601	0.243	0.188	0.283	0.651	1.08	1.04	8
9	0.116B	0.150B	0.109B	0.623	2.89	0.577	0.270	0.194	0.242	0.842	1.01	1.01	9
10	0.116B	0.145B	0.125B	0.622	2.50	0.588	0.371	0.177	0.224	1.28	0.958	0.958	10
11	0.114B	0.141B	0.140B	0.615	2.28	0.529	0.328	0.252	0.242	0.991	1.61	0.890	11
12	0.112B	0.137B	0.157B	0.585	1.98	0.460	0.298	0.245	0.223	1.03	1.49	0.880B	12
13	0.110B	0.133B	0.167B	0.554	1.71	0.424	0.258	0.216	0.234	1.12	1.29	0.820B	13
14	0.109B	0.128B	0.165B	0.634	1.55	0.405	0.221	1.31	0.235	1.92	1.22	0.780B	14
15	0.108B	0.125B	0.159B	0.799	1.38	0.410	0.209	0.656	0.380	3.59	1.15	0.760B	15
16	0.108B	0.120B	0.155B	1.29	1.32	0.408	0.227	0.424	0.703	2.76	1.15	0.720B	16
17	0.107B	0.118B	0.172B	1.80	1.21	0.384	0.229	0.368	0.404	2.33	2.06	0.700B	17
18	0.120B	0.115B	0.280B	1.88	1.56	0.374	0.206	0.348	0.337	2.09	1.87	0.653	18
19	0.138B	0.118B	0.320B	1.73	1.55	0.400	0.203	0.332	0.295	2.26	2.05	0.719	19
20	0.140B	0.123B	0.295B	1.97	1.52	0.423	0.186	0.313	0.304	2.12	2.94	0.680B	20
21	0.130B	0.138B	0.285B	3.90	1.51	0.393	0.187	0.296	0.275	1.74	2.45	0.660B	21
22	0.124B	0.140B	0.280B	4.72	1.89	0.399	0.174	0.279	0.258	1.60	2.22	0.650	22
23	0.122B	0.135B	0.340B	5.09	1.90	0.409	0.210	0.259	0.370	1.47	2.36	0.665	23
24	0.121B	0.132B	0.360B	5.79	1.78	0.644	0.285	0.248	0.379	7.26	2.37	0.718	24
25	0.120B	0.130B	0.340B	5.67	1.64	0.544	0.687	0.245	0.310	8.69	2.46	0.670B	25
26	0.130B	0.128B	0.330B	5.86	1.55	0.409	0.357	0.235	0.288	5.53	2.26	0.650B	26
27	0.200B	0.127B	0.315B	9.82	1.46	0.404	0.267	0.531	0.278	4.06	2.03	0.620B	27
28	0.198B	0.125B	0.310B	12.4	1.33	0.435	0.232	0.622	0.257	3.14	1.81	0.590B	28
29	0.180B		0.300B	8.48	1.27	0.357	0.215	0.448	0.246	2.77	1.83	0.570B	29
30	0.165B		0.295B	7.24	1.22	0.331	0.205	0.371	0.245	2.35	1.77	0.560B	30
31	0.160B		0.290B		1.12		0.217	0.316		2.02		0.680B	31
TOTAL	4.028	3.797	6.607	86.026	90.88	16.313	8.257	10.620	8.826	67.462	51.388	27.293	TOTAL
MEAN	0.130	0.136	0.213	2.87	2.93	0.544	0.266	0.343	0.294	2.18	1.71	0.880	MEAN
MAX	0.200	0.165	0.360	12.4	13.0	1.03	0.687	1.31	0.703	8.69	2.94	1.56	MAX
MIN	0.107	0.115	0.109	0.275	1.12	0.331	0.174	0.177	0.223	0.227	0.958	0.560	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 13.0 ON MAY 02
MINIMUM DAILY, 0.107B ON JAN 17
MAXIMUM INSTANTANEOUS,
17.5 AT 18:33 AST ON OCT 24

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 47 59 17 N
LONG 066 41 49 W
DRAINAGE AREA, 60.8 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	348	JUL	713
FEB	328	AUG	918
MAR	571	SEP	763
APR	7 430	OCT	5 830
MAY	7 850	NOV	4 440
JUN	1 410	DEC	2 360

TOTAL DISCHARGE, 33 000 dam³

NOVA SCOTIA

ANNAPOLIS RIVER AT LAWRENCETOWN - STATION NO. 01DC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9.30B	24.3B	31.8B	23.8	19.7	87.8	13.7	12.3	2.92	5.62	35.2	23.4
2	14.1 B	22.6B	28.3B	28.6	18.7	59.2	13.2	13.3	2.37	5.65	27.3	22.0
3	20.2 B	21.1B	25.5B	32.4	13.7	43.2	12.7	12.7	2.67	3.76	22.3	20.6
4	16.8 B	20.1B	23.0B	48.5	16.6	37.3	12.5	10.9	2.76	4.50	20.3	20.3
5	21.6 B	19.2B	21.5B	81.6	16.5	35.7	12.3	12.6	2.29	4.26	18.2	46.9
6	15.0 B	18.2B	19.2B	67.2	20.2	31.0	11.9	11.9	2.00	9.05	16.6	50.9
7	14.3 B	17.5B	17.6B	54.7	20.7	27.2	11.5	9.33	2.35	3.87	21.7	40.5
8	12.3 B	17.0B	16.5B	46.7	21.9	24.5	11.4	10.9	2.66	2.93	21.2	36.6
9	12.1 B	16.8B	15.7B	43.5	19.7	21.9	11.2	9.77	2.79	2.71	19.4	102
10	17.2 B	42.0B	15.3B	44.5	18.5	20.3	11.2	5.88	3.00	4.06	18.9	89.0
11	25.3 B	97.0B	17.3B	149	19.0	18.8	9.04	6.40	2.27	4.73	21.6	56.0B
12	18.0 B	66.0B	21.2B	180	21.9	17.4	8.08	10.3	1.86	4.36	23.0	44.0B
13	15.6 B	49.5B	19.3B	127	19.9	16.1	8.05	11.7	1.91	4.07	20.8	34.0B
14	14.2 B	35.0B	18.3B	88.8	34.9	15.0	8.41	14.4	2.62	3.77	18.7	29.0B
15	13.1 B	29.0B	18.0B	67.4	41.4	14.6	8.59	9.15	5.01	3.81	17.3	26.0B
16	12.5 B	24.0B	23.0B	70.2	31.1	15.1	8.07	8.99	4.53	3.69	16.6	37.2
17	12.1 B	19.0B	34.3	69.2	26.7	14.8	7.53	9.38	4.39	3.36	14.8	60.0
18	19.0 B	16.0B	59.9	86.7	44.9	14.4	7.71	7.92	3.15	3.25	22.8	53.6
19	34.8 B	14.8B	75.6	79.1	44.9	13.6	7.31	8.13	3.08	3.26	110	93.0
20	24.7 B	13.4B	59.3	64.9	34.2	15.2	7.88	8.60	4.04	3.21	129	84.5
21	18.3 B	12.9B	55.5	53.7	27.8	17.8	8.26	8.63	6.61	2.82	99.4	62.6
22	16.4 B	29.2	69.0	51.1	26.3	17.9	6.17	7.10	4.74	3.85	73.5	53.9
23	14.6 B	89.8	60.2	44.4	40.9	21.1	6.74	7.12	4.12	8.84	54.5	56.0B
24	14.0 B	101	56.0	37.8	60.7	20.5	6.57	6.36	6.73	8.91	44.5	75.0
25	23.0 B	61.6	45.8	35.6	60.1	20.9	7.24	5.40	6.38	10.8	42.8	85.5
26	40.0 B	36.5B	38.4	31.5	47.5	18.8	12.1	5.46	4.81	10.9	36.7	65.2
27	84.0 B	33.9B	26.0B	28.4	37.4	16.4	16.0	5.15	4.62	16.2	31.3	39.0B
28	53.0 B	32.8B	27.0B	26.4	31.7	14.0	15.6	5.33	4.50	18.7	28.0	34.0B
29	36.0 B		25.5B	25.7	25.4	13.6	15.3	4.65	3.72	19.0	26.0	29.0B
30	29.0 B		22.9B	20.7	95.7	13.8	12.0	4.73	2.62	50.8	25.1	33.1
31	26.0 B		22.5		123		11.6	3.72		44.5		44.9
TOTAL	696.50	980.2	1 015.6	1 805.9	1 081.3	717.9	321.45	271.20	109.62	279.24	1 077.5	1 547.7
MEAN	22.5	35.0	32.8	60.2	34.9	23.9	10.4	8.75	3.65	9.01	35.9	49.9
MAX	84.0	101	75.6	180	123	87.8	16.6	14.4	6.73	50.8	129	102
MIN	9.30	12.9	15.3	20.7	13.7	13.6	6.17	3.72	1.86	2.71	14.8	20.3

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 27.1
MAXIMUM DAILY, 180 ON APR 12
MINIMUM DAILY, 1.86 ON SEP 12
MAXIMUM INSTANTANEOUS,
212 AT 17:11 AST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 52 02 N
LONG 065 09 58 W
DRAINAGE AREA, 1 020 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	60 200	JUL	27 800
FEB	84 700	AUG	23 400
MAR	87 700	SEP	9 470
APR	156 000	OCT	24 100
MAY	93 400	NOV	93 100
JUN	62 000	DEC	134 000

TOTAL DISCHARGE, 856 000 dam³

ANNAPOLIS RIVER AT WILMOT - STATION NO. 01DC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	6.20B	12.7 B	17.2 B	12.2	11.0	54.4	4.86	4.61	1.57	1.79	20.4	12.5
2	7.80B	11.9 B	16.1 B	15.1	10.5	35.0	4.57	6.65	1.58	1.84	14.6	11.9
3	10.8 B	11.3 B	15.0 B	17.4	9.85	25.1	4.23	6.96	1.70	1.88	11.5	11.0
4	9.30B	10.7 B	13.8 B	24.7	9.10	21.4	4.16	5.70	1.57	1.78	9.92	10.2
5	11.3 B	10.4 B	12.7 B	43.9	8.61	20.3	4.03	4.77	1.54	1.77	8.39	24.1
6	8.90B	9.95B	11.7 B	40.9	11.1	16.8	3.71	4.10	1.45	1.77	7.46	26.6
7	8.20B	9.70B	10.8 B	31.9	12.2	14.0	3.34	3.85	1.50	1.78	10.1	22.2
8	7.50B	9.40B	10.0 B	26.0	10.7	12.1	3.30	3.31	1.68	1.66	9.96	19.1
9	7.40B	14.0 B	9.40B	23.1	9.72	10.7	3.35	4.28	1.62	1.65	8.59	50.2
10	9.90B	25.0 B	8.50B	22.1	9.40	9.70	3.39	4.60	1.54	2.66	9.14	53.7
11	13.1 B	52.0 B	9.80B	53.9	9.49	8.94	3.37	3.77	1.48	2.98	9.51	43.3
12	11.0 B	38.0 B	11.1 B	95.3	10.5	8.11	3.19	5.54	1.44	2.64	10.7	30.3
13	9.20B	30.0 B	10.7 B	72.8	9.44	7.07	3.17	5.46	1.41	2.45	9.33	23.2
14	8.30B	23.0 B	10.2 B	46.6	14.2	6.44	3.06	5.65	1.43	2.36	8.09	20.1
15	7.70B	19.8 B	9.80B	33.4	19.8	6.58	3.05	4.39	1.40	2.26	7.28	16.3
16	7.30B	15.4 B	13.0	34.0	16.5	6.35	3.08	3.72	1.33	2.22	6.79	20.7
17	7.10B	12.1 B	17.9	36.3	14.7	5.90	2.96	3.22	1.36	2.11	6.36	34.3
18	10.4 B	10.0 B	31.1	44.8	22.0	5.43	2.85	2.86	1.40	2.00	11.3	33.3
19	18.3 B	8.60B	41.4	43.8	26.3	4.95	2.81	2.90	1.44	1.97	57.0	49.4
20	13.2 B	7.40B	36.1	35.2	21.6	6.01	2.81	2.78	1.80	1.93	77.1	50.6
21	10.1 B	6.60B	31.9	28.1	17.6	6.49	3.21	2.70	2.36	1.85	60.6	38.3
22	8.60B	20.9	39.8	27.5	16.4	7.98	3.01	2.46	2.07	1.78	42.2	31.2
23	7.80B	49.1	36.4	24.8	24.1	9.40	3.10	2.31	2.13	1.85	30.8	33.8
24	7.10B	62.1	33.8	21.6	33.0	8.16	3.48	2.18	2.68	2.10	25.3	40.7
25	12.0 B	37.5	28.3	18.9	34.4	8.22	3.55	2.06	2.59	2.43	23.8	50.1
26	20.0 B	25.5 B	23.6	16.6	27.9	7.40	7.56	1.98	2.35	2.60	20.7	40.7
27	45.0 B	22.8 B	19.6	14.8	21.6	5.79	9.22	1.90	2.13	3.46	17.4	29.9
28	31.0 B	20.0 B	16.3	13.6	17.4	4.60	8.26	1.91	2.00	8.29	15.8	21.3
29	22.0 B		14.3	12.5	14.7	4.98	6.86	1.74	1.96	8.19	14.6	20.6
30	15.9 B		12.6	11.7	45.6	4.93	5.34	1.67	1.86	24.4	13.6	17.7
31	13.7 B		12.0		75.2		4.50	1.59		24.7		22.7
TOTAL	385.20	585.85	585.10	943.7	594.61	353.23	127.36	113.52	52.37	124.95	578.32	911.1
MEAN	12.4	20.9	18.9	31.5	19.2	11.8	4.11	3.66	1.75	4.03	19.3	29.4
MAX	45.0	62.1	41.4	95.3	75.2	54.4	9.22	7.46	2.68	24.7	77.1	53.7
MIN	6.20	6.60	8.50	11.7	8.61	4.60	2.81	1.59	1.33	1.65	6.36	10.2

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.7
MAXIMUM DAILY, 95.3 ON APR 12
MINIMUM DAILY, 1.33 ON SEP 16
MAXIMUM INSTANTANEOUS,
99.1 AT 09:18 AST ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 56 59 N
LONG 065 01 47 W
DRAINAGE AREA, 546 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	33 300	JUL	11 000
FEB	50 600	AUG	9 810
MAR	50 600	SEP	4 520
APR	81 500	OCT	10 800
MAY	51 400	NOV	50 000
JUN	30 500	DEC	78 700

TOTAL DISCHARGE, 463 000 dam³

BEAVERBANK RIVER NEAR KINSAC - STATION NO. 01DG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.461	4.42	2.00	1.85	1.88	8.61	0.570	0.109	0.110	0.606	11.0	2.75	1
2	0.932	3.51	1.70	4.70	1.75	6.92	0.485	0.231	0.106	0.505	7.99	2.63	2
3	1.35	2.73	1.39	13.4	1.63	5.19	0.415	0.339	0.136	0.485	5.77	2.38	3
4	1.55	2.31	1.28	16.2	1.44	4.06	0.364	0.391	0.121	0.412	4.42	2.15	4
5	1.60	1.98	1.13	23.8	1.33	3.57	0.354	0.405	0.115	0.430	3.47	11.8	5
6	1.59	1.76	0.927	17.0	2.07	2.91	0.317	0.388	0.113	0.437	3.02	16.7	6
7	1.56	1.61	0.782	12.1	2.74	2.49	0.249	0.338	0.107	0.437	2.84	12.2	7
8	1.37	1.36	0.614	9.33	2.86	2.17	0.208	0.311	0.124	0.493	2.71	9.09	8
9	1.16	1.07	0.529	7.42	2.69	1.77	0.178	0.360	0.103	0.476	4.98	21.4	9
10	1.18	1.62	0.474	5.96	2.39	1.51	0.155	0.350	0.089	0.463	4.18	21.3	10
11	2.29	6.90	0.386	7.47	2.41	1.31	0.146	0.363	0.106	0.446	4.34	14.1	11
12	3.09	8.52	0.398	15.7	3.16	1.29	0.132	0.409	0.093	0.443	5.46	9.64	12
13	3.42	6.91	0.430	14.0	3.25	1.15	0.094	0.412	0.094	0.433	5.08	6.87	13
14	3.06	5.26	0.473	9.83	3.47	0.948	0.072	0.398	0.102	0.562	4.38	5.42	14
15	2.58	3.81	0.513	7.20	5.45	0.822	0.067	0.395	0.100	0.738	3.60	4.12	15
16	2.14	2.85	0.526	9.23	5.98	0.679	0.058	0.343	0.138	0.743	3.01	4.85	16
17	1.75	2.38	0.623	12.5	5.58	0.588	0.051	0.316	0.142	0.647	2.56	10.9	17
18	1.51	1.99	1.95	12.7	5.42	0.509	0.040	0.261	0.144	0.578	3.86	11.2	18
19	1.48	1.63	4.51	11.6	7.43	0.449	0.038	0.254	0.145	0.721	20.6	10.3	19
20	1.42	1.29	5.51	8.86	7.85	0.437	0.033	0.242	0.204	1.18	23.7	9.27	20
21	1.31	1.03	7.03	6.85	6.49	0.744	0.042	0.201	0.383	1.26	16.0	7.49	21
22	1.06	0.872	10.9	7.28	5.24	1.55	0.040	0.167	0.406	1.16	11.1	5.88	22
23	0.864	1.17	9.80	6.08	4.83	2.08	0.049	0.145	0.687	1.05	8.16	5.36	23
24	0.719	3.02	8.71	6.99	7.14	2.05	0.057	0.135	1.70	1.19	6.25	5.54	24
25	0.742	3.67	7.08	5.56	9.46	1.89	0.063	0.126	1.90	3.21	5.19	6.65	25
26	1.59	3.38	5.36	4.42	7.93	1.54	0.070	0.122	1.70	3.94	4.40	6.17	26
27	11.0	2.74	4.05	3.49	6.09	1.24	0.063	0.101	1.46	4.78	3.61	5.03	27
28	13.6	2.38	3.15	2.85	4.59	0.922	0.057	0.075	1.19	5.29	3.00	3.81	28
29	10.0		2.52	2.56	3.44	0.786	0.054	0.095	0.871	5.78	2.70	3.12	29
30	7.48		1.97	2.25	4.11	0.673	0.046	0.106	0.692	14.7	2.73	2.77	30
31	5.79		1.76		8.37		0.040	0.112		15.4		2.85	31
TOTAL	89.648	82.372	88.475	271.18	138.47	60.807	4.607	8.000	13.381	68.995	195.31	243.74	TOTAL
MEAN	2.89	2.94	2.85	9.04	4.47	2.03	0.149	0.258	0.446	2.23	6.51	7.86	MEAN
MAX	13.6	8.52	10.9	23.8	9.46	8.61	0.570	0.412	1.90	15.4	23.7	21.4	MAX
MIN	0.461	0.872	0.386	1.85	1.33	0.437	0.033	0.075	0.089	0.412	2.56	2.15	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.47
MAXIMUM DAILY, 23.8 ON APR 05
MINIMUM DAILY, 0.033 ON JUL 20
MAXIMUM INSTANTANEOUS,
27.4 AT 23:23 AST ON NOV 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 51 06 N
LONG 063 39 54 W
DRAINAGE AREA, 96.9 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 750	JUL	398
FEB	7 120	AUG	691
MAR	7 640	SEP	1 160
APR	23 400	OCT	5 960
MAY	12 000	NOV	16 900
JUN	5 250	DEC	21 100

TOTAL DISCHARGE, 109 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "RAWDON RIVER AT KINSAC" PRIOR TO 1970 AND AS "BEAVER RIVER NEAR KINSAC" TO 1985.

BLUE HILL BOG BROOK NEAR JORDAN FALLS - STATION NO. 01EC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.200B	0.410B	0.340B	0.908	0.216	0.844	0.192	0.105	0.017	0.029	0.525	0.341	1
2	1.13 B	0.370B	0.290B	1.03	0.196	0.588	0.122	0.100	0.015	0.030	0.379	0.286	2
3	0.900B	0.330B	0.240B	0.841	0.169	0.413	0.078	0.064	0.013	0.032	0.293	0.244	3
4	0.770B	0.280B	0.200B	1.85	0.132	0.535	0.057	0.040	0.014	0.032	0.234	0.232	4
5	0.610B	0.250B	0.175B	3.43	0.141	0.781	0.047	0.031	0.014	0.034	0.194	1.04	5
6	0.500B	0.235B	0.144B	1.86	0.299	0.577	0.043	0.026	0.013	0.039	0.222	1.11	6
7	0.395B	0.215B	0.122B	1.17	0.234	0.513	0.032	0.022	0.013	0.036	0.525	0.779	7
8	0.330B	0.200B	0.103B	0.889	0.245	0.570	0.025	0.022	0.014	0.032	0.471	0.744	8
9	0.260B	0.185B	0.089B	0.767	0.214	0.437	0.076	0.024	0.015	0.029	0.351	4.05	9
10	0.203B	2.00 B	0.077B	0.691	0.174	0.408	0.345	0.021	0.015	0.028	0.270	3.29	10
11	1.31 B	4.50 B	0.069B	2.60	0.250	1.08	0.235	0.020	0.014	0.026	0.535	1.78	11
12	0.895B	2.72	0.065B	5.08	0.359	2.91	0.136	0.022	0.014	0.026	0.580	1.01	12
13	0.680B	1.33	0.062B	2.49	0.283	1.71	0.081	0.028	0.014	0.027	0.447	0.683	13
14	0.490B	0.883	0.071B	1.33	1.34	0.953	0.053	0.027	0.012	0.033	0.349	0.532	14
15	0.375B	0.500B	0.082B	0.882	2.56	0.621	0.036	0.025	0.012	0.037	0.289	0.407	15
16	0.280B	0.350B	0.110B	1.77	1.45	0.463	0.030	0.022	0.016	0.037	0.243	1.25	16
17	0.230B	0.260B	0.170B	1.75	0.864	0.341	0.028	0.020	0.019	0.030	0.212	2.27	17
18	0.210B	0.450B	0.230B	2.33	1.05	0.246	0.022	0.017	0.016	0.028	0.862	1.64	18
19	0.184B	0.290B	0.350B	1.08	1.31	0.187	0.019	0.016	0.015	0.027	7.07	1.89	19
20	0.165B	0.235B	0.622	1.12	1.02	0.151	0.018	0.016	0.021	0.027	4.66	1.58	20
21	0.147B	0.187B	0.988	0.904	0.728	0.131	0.017	0.015	0.046	0.024	2.48	0.998	21
22	0.133B	0.210B	1.12	1.45	0.586	0.108	0.016	0.014	0.025	0.024	1.48	0.790	22
23	0.119B	0.400B	0.835	1.30	0.564	0.077	0.098	0.013	0.102	0.023	0.954	1.03	23
24	0.150B	2.40 B	0.636	0.863	0.717	0.152	0.196	0.013	0.185	0.087	0.698	1.48	24
25	0.400B	1.50 B	0.486	0.624	0.804	0.168	0.152	0.013	0.098	0.337	0.593	1.54	25
26	2.10 B	0.810B	0.396	0.493	0.600	0.101	0.140	0.013	0.062	0.284	0.479	1.06	26
27	1.60 B	0.600B	0.327	0.398	0.449	0.065	0.328	0.012	0.046	0.623	0.373	0.730	27
28	0.900B	0.445B	0.262	0.331	0.338	0.050	0.414	0.011	0.038	0.549	0.325	0.514	28
29	0.660B		0.221	0.267	0.269	0.040	0.299	0.012	0.034	0.620	0.303	0.414	29
30	0.450B		0.194	0.237	0.925	0.112	0.177	0.013	0.030	0.979	0.399	0.437	30
31	0.600B		0.292		1.33		0.111	0.019		0.778		0.708	31
TOTAL	17.376	22.545	9.368	41.535	19.836	15.332	3.623	0.816	0.962	4.947	26.793	34.859	TOTAL
MEAN	0.561	0.805	0.302	1.38	0.640	0.511	0.117	0.026	0.032	0.160	0.893	1.12	MEAN
MAX	2.10	4.50	1.12	5.08	2.56	2.91	0.414	0.105	0.185	0.979	7.07	4.05	MAX
MIN	0.119	0.185	0.062	0.237	0.132	0.040	0.016	0.011	0.012	0.023	0.194	0.232	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.542
MAXIMUM DAILY, 7.07 ON NOV 19
MINIMUM DAILY, 0.011 ON AUG 28
MAXIMUM INSTANTANEOUS,
8.56E AT 10:52 AST ON NOV 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 49 42 N
LONG 065 11 41 W
DRAINAGE AREA, 22.8 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 500	JUL	313
FEB	1 950	AUG	70.5
MAR	809	SEP	83.1
APR	3 590	OCT	427
MAY	1 710	NOV	2 310
JUN	1 320	DEC	3 010

TOTAL DISCHARGE, 17 100 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 7.80 IS DUE TO CURVE EXTENSION

NOVA SCOTIA

CANAAN RIVER AT OUTLET OF CONNAUGHT LAKE - STATION NO. 01EH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.252	2.70	1.99	1.80	1.48	7.74	1.20	0.246	0.135	0.254	5.62	2.13	1
2	0.304	2.29	1.77	5.40	1.40	6.20	1.10	0.250	0.130	0.264	4.29	2.02	2
3	0.377	2.06	1.53	5.44	1.27	4.78	0.988	0.248	0.128	0.260	3.48	1.91	3
4	0.455	1.82	1.37	10.9	1.18	3.85	0.923	0.242	0.126	0.254	2.92	1.77	4
5	0.492	1.62	1.27	16.6	1.07	3.19	0.819	0.238	0.124	0.237	2.43	6.33	5
6	0.561	1.38	1.16	12.7	1.42	2.66	0.707	0.240	0.124	0.250	2.13	10.5	6
7	0.597	1.21	1.04	8.88	1.76	2.27	0.598	0.221	0.127	0.243	3.07	8.90	7
8	0.579	1.13	0.963	6.41	1.96	2.05	0.524	0.220	0.122	0.234	3.81	6.75	8
9	0.532	1.04	0.887	4.85	1.96	1.80	0.428	0.232	0.112	0.231	3.63	10.2	9
10	0.582	1.04	0.824	3.86	1.88	1.59	0.415	0.218	0.113	0.232	3.16	12.3	10
11	0.964	2.14	0.687	5.08	1.80	1.43	0.420	0.203	0.117	0.230	2.95	9.64	11
12	1.18	3.61	0.684	11.0	2.11	1.47	0.374	0.200	0.121	0.232	3.12	7.01	12
13	1.47	3.90	0.652	9.90	2.24	1.40	0.330	0.201	0.116	0.228	2.97	5.16	13
14	1.53	3.35	0.662	7.14	2.70	1.35	0.294	0.197	0.109	0.224	2.70	4.01	14
15	1.47	2.84	0.688	5.43	4.79	1.27	0.262	0.187	0.110	0.225	2.42	3.22	15
16	1.36	2.35	0.703	6.60	5.39	1.18	0.272	0.188	0.113	0.224	2.12	3.36	16
17	1.26	2.09	0.711	8.83	4.68	1.07	0.263	0.189	0.118	0.216	1.89	6.28	17
18	1.16	1.84	1.12	9.32	4.14	0.975	0.250	0.178	0.112	0.226	2.00	7.23	18
19	1.08	1.58	2.17	7.53	4.33	0.853	0.232	0.177	0.115	0.227	6.29	7.03	19
20	1.05	1.41	2.84	6.08	4.28	0.757	0.225	0.177	0.122	0.228	10.9	6.85	20
21	1.03	1.21	3.57	4.91	3.74	0.667	0.227	0.174	0.135	0.229	9.33	5.70	21
22	0.998	1.06	4.87	4.41	3.26	0.856	0.227	0.159	0.131	0.225	7.00	4.69	22
23	0.927	1.24	4.94	4.32	2.96	1.11	0.219	0.159	0.151	0.225	5.39	4.17	23
24	0.819	2.39	4.58	3.83	3.33	1.43	0.224	0.160	0.216	0.248	4.14	4.30	24
25	0.832	3.11	4.20	3.29	4.21	1.85	0.224	0.149	0.268	0.529	3.56	5.04	25
26	0.954	3.03	3.50	2.82	4.15	1.98	0.216	0.144	0.276	0.917	3.25	4.89	26
27	2.31	2.67	2.94	2.49	3.71	1.88	0.227	0.143	0.283	1.25	2.80	4.17	27
28	5.78	2.35	2.51	2.18	3.10	1.69	0.230	0.144	0.279	1.55	2.52	3.43	28
29	3.99		2.14	1.90	2.56	1.48	0.234	0.141	0.278	1.92	2.31	2.82	29
30	3.87		1.88	1.68	4.00	1.33	0.229	0.139	0.265	4.21	2.19	2.42	30
31	3.33		1.78		8.08		0.226	0.139		6.46		2.38	31
TOTAL	39.995	58.36	60.631	181.58	94.94	62.158	13.127	5.897	4.676	22.459	114.39	166.61	TOTAL
MEAN	1.29	2.08	1.96	6.05	3.06	2.07	0.424	0.190	0.156	0.725	3.81	5.37	MEAN
MAX	3.99	3.80	4.94	16.6	8.08	7.74	1.20	0.250	0.283	6.46	10.9	12.3	MAX
MIN	0.252	1.04	0.652	1.68	1.07	0.667	0.216	0.139	0.109	0.213	1.89	1.77	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.26
MAXIMUM DAILY, 16.6 ON APR 05
MINIMUM DAILY, 0.109 ON SEP 14
MAXIMUM INSTANTANEOUS,
17.6 AT 04:21 AST ON APR 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 38 49 N
LONG 064 11 38 W
DRAINAGE AREA, 65.4 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 460	JUL	1 130
FEB	5 040	AUG	510
MAR	5 240	SEP	404
APR	15 700	OCT	1 940
MAY	8 200	NOV	9 880
JUN	5 370	DEC	14 400

TOTAL DISCHARGE, 71 300 dam³

CHETICAMP RIVER ABOVE ROBERT BROOK - STATION NO. 01FC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80B	6.20B	2.60B	3.20B	26.0 E	9.25	1.91	5.87	1.79	6.94	13.7	7.33	1
2	12.0 B	5.40B	2.50B	5.00B	33.0 E	5.98	1.79	133	1.72	11.8	8.44	6.13	2
3	8.00B	5.00B	2.42B	5.94	22.0 E	4.84	1.62	101	2.56	11.4	6.90	5.43	3
4	6.00B	4.70B	2.38B	37.8	17.0 E	4.99	1.58	19.9	2.14	12.9	6.19	4.45	4
5	5.40B	4.00B	2.32B	88.7	14.0 E	5.27	2.12	8.93	1.95	7.39	24.7	9.17	5
6	4.90B	3.60B	2.26B	48.2	12.0 E	4.26	1.81	5.78	1.89	6.33	13.1	17.0	6
7	4.40B	3.20B	2.20B	30.0	10.5 E	3.77	1.55	4.34	1.79	4.66	8.89	9.52	7
8	4.00B	3.00B	2.16B	15.9	9.00E	3.44	1.48	3.64	5.47	3.71	7.21	11.1	8
9	3.80B	2.80B	2.10B	10.6	11.0 E	3.18	1.34	3.13	3.27	3.38	6.75	148	9
10	3.60B	2.60B	2.06B	8.58	13.0 E	3.03	1.39	2.81	2.50	18.3	6.60	30.7	10
11	3.40B	14.0 B	2.00B	41.8	15.5 E	2.91	1.89	2.46	2.69	9.92	30.7	13.2	11
12	3.20B	9.00B	1.96B	109	12.5 E	2.74	2.09	2.02	1.75	6.52	28.6	8.61	12
13	3.00B	7.00B	1.90B	25.2	11.0 E	2.62	2.16	2.02	1.69	5.66	12.9	7.00B	13
14	2.95B	6.30B	1.86B	14.1	24.0 E	2.58	2.09	4.31	1.96	4.90	8.64	6.00B	14
15	2.75B	5.80B	1.82B	14.2	36.0 E	2.44	2.10	24.1	1.39	4.37	7.02	5.20B	15
16	2.60B	4.80B	1.80B	50.6	19.7 A	2.18	2.05	8.73	1.64	3.86	6.10	9.11	16
17	2.50B	4.40B	1.77B	44.6	22.5	2.18	2.16	4.89	1.63	3.72	6.70	60.7	17
18	7.50B	4.10B	30.0 B	40.3	13.2	2.10	2.44	3.44	1.56	3.64	23.4	23.2	18
19	12.0 B	3.90B	20.0 B	19.4	11.4	1.85	2.20	3.79	1.52	8.71	50.1	123	19
20	10.0 B	3.75B	17.7	16.2	12.3	3.85	1.83	3.60	2.52	14.9	45.3	37.2	20
21	7.50B	3.55B	12.3	29.1	10.2	4.56	1.75	2.64	20.3	9.56	22.9	14.2	21
22	6.30B	3.40B	14.0	36.3	9.08	3.49	1.70	2.31	11.8	6.56	13.8	30.1	22
23	5.60B	3.30B	11.4	40.8	8.59	8.37	1.77	2.11	9.42	6.94	10.8	65.9	23
24	4.60B	3.15B	10.0 B	49.5 A	7.38	4.97	3.54	2.03	26.2	6.61	11.2	57.4	24
25	4.00B	3.05B	10.0 B	23.0 E	6.25	7.08	2.26	1.76	8.66	18.6	9.04	57.7	25
26	14.0 B	2.95B	7.00B	15.3 E	5.76	4.38	2.90	1.69	5.12	11.1	15.5	20.1	26
27	30.0 B	2.85B	6.00B	21.0 E	5.34	2.82	2.79	1.48	3.74	14.1	9.98	11.3	27
28	18.0 B	2.75B	5.00B	24.0 E	4.97	2.42	2.27	1.46	3.10	12.5	8.38	7.50B	28
29	10.0 B		4.40B	18.0 E	4.70	2.66	1.76	1.53	2.67	10.2	14.2	7.20B	29
30	8.50B		4.00B	15.0 E	10.6	2.07	1.76	1.93	2.47	49.1	11.3	6.70B	30
31	7.00B		3.60B		15.5		1.83	1.93		29.3		6.50B	31
TOTAL	220.20	128.55	199.51	999.32	433.77	116.28	62.93	377.36	136.94	327.58	449.04	826.35	TOTAL
MEAN	7.10	4.59	6.44	30.0	14.0	3.88	2.03	12.2	4.56	10.6	15.0	26.7	MEAN
MAX	30.0	14.0	30.0	109	36.0	9.25	3.79	133	26.2	49.1	50.1	148	MAX
MIN	2.50	2.60	1.77	3.00	4.70	1.85	1.34	1.46	1.39	3.38	6.10	4.45	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.4
MAXIMUM DAILY, 148 ON DEC 09
MINIMUM DAILY, 1.34 ON JUL 09
MAXIMUM INSTANTANEOUS,
297 AT 10:29 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 38 28 N
LONG 060 56 49 W
DRAINAGE AREA, 190 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1978

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 000	JUL	5 440
FEB	11 100	AUG	32 600
MAR	17 200	SEP	11 800
APR	77 700	OCT	28 300
MAY	37 500	NOV	38 800
JUN	10 000	DEC	71 400

TOTAL DISCHARGE, 361 000 dam³

REMARKS - FLOWS SUPPLEMENTED BY RELEASES THROUGH RIPARIAN PIPE DURING LOW FLOW PERIODS.

NOVA SCOTIA

CLAM HARBOUR RIVER NEAR BIRCHTOWN - STATION NO. 01ER001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.280B	1.65 B	0.440B	0.725	0.700	1.90	0.368	3.53	0.007E	1.49	7.39	1.06	1
2	3.10 B	1.40 B	0.420B	0.720	0.643	1.34	0.310	18.1	0.004E	2.54	3.78	0.951	2
3	2.90 B	1.22 B	0.400E	1.27	0.592	1.03	0.250	8.71	0.014	1.80	2.42	0.874	3
4	2.30 B	1.10 B	0.380E	4.26	0.523	1.87	0.231	4.55	0.030	1.61	1.74	0.778	4
5	2.30 B	0.950B	0.365B	10.6	0.448	3.76	0.218	2.47	0.023E	1.39	1.31	8.56	5
6	2.00 B	0.860B	0.350B	6.72	1.29	1.85	0.178	1.51	0.016E	1.22	1.04	9.54	6
7	1.65 B	0.770B	0.335B	5.48	2.57	1.76	0.147	1.05	0.013E	0.964	2.49	5.12	7
8	1.45 B	0.700B	0.320B	6.14	2.08	1.53	0.127	0.740	0.012E	0.765	2.66	3.33	8
9	1.25 B	0.630B	0.310B	3.70	1.69	0.769	0.112	0.537	0.015E	0.612	2.33	20.8	9
10	1.10 B	0.950B	0.295B	2.59	1.31	0.649	0.102	0.430	0.018E	0.584	2.09	12.2	10
11	1.20 B	7.00 B	0.285B	7.54	1.09	0.535	0.087	0.325	0.018E	0.498	6.16	5.83	11
12	1.80 B	4.80 B	0.275B	9.57	1.15	0.460	0.065	0.265	0.019E	0.460	5.67	2.40 B	12
13	1.40 B	3.80 B	0.270B	5.24	1.02	0.375	0.048	0.217	0.012E	0.357	3.28	1.70 B	13
14	1.20 B	3.10 B	0.260B	2.93	2.71	0.319	0.033	0.186	0.008E	0.380	2.34	1.30 B	14
15	1.00 B	2.50 B	0.250B	2.12	9.95	0.298	0.024	0.508	0.004E	1.35	1.75	1.15 B	15
16	0.850B	2.00 B	0.300B	5.47	5.23	0.250	0.026	0.342	0.048E	1.18	1.39	5.82	16
17	0.760B	1.70 B	4.20 B	4.58	3.72	0.240	0.025	0.226	0.054	0.964	1.15	12.4	17
18	0.670B	1.50 B	2.60 B	3.04	2.55	0.222	0.019	0.165	0.036E	0.799	1.12	7.04	18
19	0.580B	1.32 B	1.60 B	2.20	2.45	0.190	0.015	0.140	0.027E	1.12	1.20	6.14	19
20	0.510B	1.15 B	3.40 B	1.60	2.49	0.196	0.009E	0.115	0.045E	1.86	4.02	4.49	20
21	0.470B	1.04 B	5.40 B	1.36	1.85	0.306	0.017	0.098	0.184	1.50	2.97	3.10	21
22	0.420B	0.920B	4.80 B	1.22	1.43	0.931	0.011	0.089	0.146	1.13	2.22	3.38	22
23	0.380B	0.830B	4.20 B	6.48	2.06	1.04	0.038	0.070	0.590	0.967	1.81	4.60	23
24	0.360B	0.740B	6.38	4.00	3.34	1.25	0.121	0.059	2.41	0.843	1.74	4.32	24
25	0.500B	0.680B	4.11	2.65	2.47	1.70	0.093	0.056	1.48	1.79	1.52	4.75	25
26	1.40 B	0.620B	2.58	1.79	1.79	1.04	0.093	0.043E	1.10	1.58	1.43	3.26	26
27	3.00 B	0.560B	1.87	1.41	1.29	0.742	0.144	0.037E	0.873	4.36	1.15	2.49	27
28	3.60 B	0.520B	1.45	1.18	1.01	0.585	0.101	0.027E	0.662	3.73	1.04	1.80 B	28
29	2.80 B		1.11	0.949	0.826	0.483	0.076	0.022E	0.510	6.69	0.940	1.65 B	29
30	2.40 B		1.00	0.798	3.06	0.398	0.059	0.013E	0.419	20.5	1.09	1.50 B	30
31	1.90 B		0.839		2.95		0.046	0.012E		14.2		1.40 B	31
TOTAL	50.730	45.010	50.794	111.332	66.922	27.028	3.193	44.642	8.797	79.233	73.240	143.733	TOTAL
MEAN	1.64	1.61	1.64	3.71	2.16	0.901	0.103	1.44	0.293	2.56	2.44	4.64	MEAN
MAX	5.10	7.00	6.38	10.6	9.95	3.76	0.368	18.1	2.41	20.5	7.39	20.8	MAX
MIN	0.280	0.520	0.250	0.720	0.448	0.190	0.009	0.012	0.004	0.357	0.940	0.778	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.93
MAXIMUM DAILY, 20.8 ON DEC 09
MINIMUM DAILY, 0.004E ON SEP 02
MAXIMUM INSTANTANEOUS,
33.7 AT 11:34 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 28 06 N
LONG 061 27 36 W
DRAINAGE AREA, 45.1 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 380	JUL	276
FEB	3 890	AUG	3 860
MAR	4 390	SEP	760
APR	9 620	OCT	6 850
MAY	5 780	NOV	6 330
JUN	2 340	DEC	12 400

TOTAL DISCHARGE, 60 900 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.050 IS DUE TO CURVE EXTENSION

EAST RIVER AT ST. MARGARETS BAY - STATION NO. 01EH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.10 B	1.16	0.793	0.693	0.743	1.88	0.248	0.058	0.022	0.126	2.16	0.867	1
2	0.582	0.982	0.714	1.20	0.684	1.54	0.239	0.059	0.016E	0.116	1.62	0.839	2
3	0.614	0.824	0.652	2.51	0.651	1.26	0.220	0.057	0.016E	0.095	1.30	0.768	3
4	0.619	0.649B	0.608	3.07	0.579	1.16	0.198	0.050	0.010E	0.075	1.08	0.693	4
5	0.571	0.618B	0.555	4.57	0.574	1.18	0.194	0.056	0.009E	0.077	0.891	1.91	5
6	0.532	0.551B	0.513	3.77	0.712	1.12	0.185	0.100A	0.007E	0.080	0.799	2.92	6
7	0.494	0.533	0.463	5.81	0.857	0.965	0.160	0.167	0.006E	0.073	1.11	2.47	7
8	0.446	0.484	0.446	5.23	0.931	0.874	0.144	0.173	0.005E	0.071	1.23	1.98	8
9	0.415	0.456	0.423	3.71	0.921	0.762	0.135	0.188	0.005E	0.066	1.12	4.26	9
10	0.463	0.734	0.393	1.38	0.863	0.667	0.127	0.158	0.009E	0.069	0.984	4.79	10
11	0.715	2.56	0.388	1.81	0.878	0.591	0.120	0.160	0.010E	0.074	1.03	3.19	11
12	0.846	2.67	0.370	5.05	0.998	0.629	0.119	0.216	0.010E	0.075	1.13	2.20	12
13	0.879	1.96	0.379	4.52	1.04	0.627	0.119	0.232	0.008E	0.072	1.07	1.70	13
14	0.852	1.52	0.378	2.92	1.15	0.599	0.109	0.240	0.009E	0.164	0.973	1.38	14
15	0.719	1.25	0.412	2.18	1.47	0.530	0.094	0.255	0.007E	0.244	0.877	1.12	15
16	0.667	1.05	0.419	3.12	1.49	0.489	0.090	0.247	0.010E	0.281	0.778	1.46	16
17	0.597	0.955	0.440	3.95	1.42	0.447	0.078	0.200A	0.012E	0.281	0.717	2.61	17
18	0.568	0.846	0.662	3.62	1.40	0.401	0.075A	0.170A	0.013E	0.249	1.64	2.60	18
19	0.539	0.734	1.05	3.09	1.67	0.357	0.072A	0.150A	0.015E	0.262	2.09	2.41	19
20	0.483	0.653	1.26	2.35	1.74	0.324	0.070A	0.140A	0.019	0.281	6.24	2.10	20
21	0.437	0.594	1.59	1.81	1.56	0.311	0.068A	0.115A	0.032	0.292	4.25	1.75	21
22	0.398	0.534	2.33	1.93	1.53	0.342	0.066A	0.100A	0.029	0.291	2.89	1.52	22
23	0.382	0.797	2.15	1.95	1.25	0.350	0.063A	0.090A	0.056	0.273	2.08	1.45	23
24	0.364	1.41	1.88	1.80	1.43	0.347	0.062	0.073A	0.112	0.307	1.66	1.44	24
25	0.409	1.51	1.59	1.50	1.83	0.343	0.059	0.044	0.167	0.548	1.43	1.52	25
26	0.751	1.24	1.38	1.28	1.72	0.331A	0.063	0.039	0.200	0.693	1.20	1.44	26
27	1.88	1.02	1.08	1.11	1.46	0.309A	0.056	0.036	0.208	0.862	1.06	1.24	27
28	2.43	0.896	0.918	0.971	1.18	0.289A	0.046	0.032	0.197	0.931	0.970	1.05	28
29	1.94		0.798	0.842	0.971	0.273A	0.054	0.031	0.174	1.12	0.876	0.889	29
30	1.67		0.701	0.786	1.13	0.251	0.052	0.028	0.145	2.60	0.851	0.812	30
31	1.46		0.640		1.82		0.052	0.027		2.89		0.789	31
TOTAL	25.822	29.192	26.375	70.432	36.452	19.548	3.437	3.699	1.538	13.638	48.706	56.167	TOTAL
MEAN	0.833	1.04	0.851	2.35	1.18	0.652	0.111	0.119	0.051	0.440	1.62	1.81	MEAN
MAX	2.43	2.67	2.33	5.05	1.83	1.88	0.248	0.255	0.208	2.89	6.24	4.79	MAX
MIN	0.364	0.458	0.370	0.693	0.574	0.251	0.046	0.027	0.005	0.066	0.717	0.693	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.918
MAXIMUM DAILY, 6.24 ON NOV 20
MINIMUM DAILY, 0.005E ON SEP 08
MAXIMUM INSTANTANEOUS,
6.60 AT 07:45 AST ON NOV 20

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 41 06 N
LONG 063 52 18 W
DRAINAGE AREA, 26.9 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 230	JUL	297
FEB	2 520	AUG	320
MAR	2 280	SEP	133
APR	6 090	OCT	1 100
MAY	3 150	NOV	4 210
JUN	1 690	DEC	4 850

TOTAL DISCHARGE, 29 000 dam³

REMARKS - THE E FOR DISCHARGE BELOW 0.017 IS DUE TO CURVE EXTENSION

NOVA SCOTIA

FIFES BROOK NEAR MILL POND - STATION NO. 01FJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.300B	1.20 B	0.315B	0.780B	1.65	2.51	0.296	0.260	0.063	0.696	2.80	0.700
2	1.00 B	1.08 B	0.305B	0.700B	1.49	1.65	0.220	2.25	0.220	0.720	2.00	0.650
3	2.00 B	0.920B	0.290B	1.22	1.22	1.65	0.200	1.60	0.180	0.760	1.40	0.580
4	1.60 B	0.800B	0.278B	6.11	0.930	2.10	0.160	1.20	0.192	0.704	1.10	0.520
5	1.40 B	0.700B	0.264B	5.17	0.760	1.70	0.154	0.800	0.180	0.673	0.900	9.00
6	1.20 B	0.620B	0.257B	4.20	0.840	1.40	0.164	0.500	0.150	0.547	0.750	7.50
7	1.05 B	0.550B	0.248B	3.40	1.43	0.975	0.157	0.280	0.130	0.486	3.50	5.60
8	0.900B	0.500B	0.238B	3.00	1.38	0.885	0.120	0.200	0.228	0.432	2.60	3.80
9	0.800B	0.450B	0.230B	2.50	1.32	0.760	0.108	0.140	0.200	0.760	2.00	9.80
10	0.750B	0.400B	0.225B	2.00	1.22	0.540	0.100	0.105	0.192	0.385	1.80	5.00
11	1.10 B	4.60 B	0.215B	6.50	1.07	0.460	0.061	0.090	0.120	0.360	1.60	2.80
12	0.950B	3.40 B	0.210B	9.00	0.930	0.390	0.057	0.082	0.108	0.330	3.40	1.78
13	0.880B	1.70 B	0.202B	5.60	0.800	0.321	0.058	0.090	0.100	0.300	2.80	1.60
14	0.820B	1.20 B	0.197B	3.60	1.60	0.300	0.056	0.069	0.098	0.405	2.40	1.10
15	0.750B	0.900B	0.190B	1.70	2.25	0.280	0.050	0.064	0.104	0.930	2.20	0.920
16	0.700B	0.800B	0.184B	2.20	2.19	0.420	0.048	0.059	0.096	1.21	2.00	2.60
17	0.650B	0.730B	0.180B	2.40	2.13	0.480	0.046	0.056	0.139	1.74	1.70	4.50
18	0.610B	0.670B	4.42	2.00	2.13	0.450	0.044	0.053	0.236	1.54	1.50	3.60
19	0.565B	0.630B	6.56 E	1.70	2.55	0.420	0.043	0.050	0.380	2.81	1.35	3.10
20	0.530B	0.570B	5.76	1.40	2.39	0.370	0.042	0.060	1.05	2.93	2.80	2.70
21	0.500B	0.530B	5.00	1.20	2.13	0.345	0.065	0.069	1.40	1.80	2.40	2.30
22	0.470B	0.500B	4.42	2.92	2.07	0.420	0.120	0.090	0.920	1.40	2.10	2.00
23	0.445B	0.470B	4.74	3.79	2.64	0.420	0.240	0.084	0.720	1.00	1.80	2.80
24	0.400B	0.440B	5.00	3.06	2.38	0.480	0.160	0.080	1.90	0.850	1.65	2.50
25	0.380B	0.410B	3.79	2.19	1.89	0.390	0.120	0.069	1.55	0.750	1.40	3.10
26	0.320B	0.390B	2.10 B	2.07	1.43	0.360	0.096	0.067	1.10	1.40	1.20	2.10
27	4.60 B	0.370B	1.80 B	2.01	1.22	0.345	0.080	0.069	0.940	1.60	1.05	1.70
28	2.20 B	0.350B	1.50 B	1.83	1.22	0.350	0.070	0.066	0.880	1.80	0.900	1.30
29	2.30 B		1.30 B	1.77	1.64	0.316	0.063	0.065	0.776	2.80	0.800	0.900
30	1.80 B		1.10 B	1.77	1.07	0.330	0.058	0.065	0.752	9.00	0.750	0.650
31	1.40 B		0.930B		3.42		0.160	0.060		7.00		0.550
					3.13							
TOTAL	34.370	25.880	52.448	87.790	52.690	21.717	3.416	8.782	15.104	46.673	54.650	87.750
MEAN	1.11	0.924	1.69	2.93	1.70	0.724	0.110	0.283	0.504	1.51	1.82	2.83
MAX	4.60	4.60	6.56	9.00	3.42	2.51	0.296	2.25	1.90	8.00	3.50	9.80
MIN	0.300	0.350	0.180	0.700	0.760	0.280	0.042	0.050	0.063	0.300	0.750	0.520

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.35
MAXIMUM DAILY, 9.80 ON DEC 09
MINIMUM DAILY, 0.042 ON JUL 20
MAXIMUM INSTANTANEOUS, 9.80E ON MAR 19

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 18 03 N
LONG 060 21 57 W
DRAINAGE AREA, 34.3 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 970	JUL	295
FEB	2 240	AUG	759
MAR	4 530	SEP	1 300
APR	7 590	OCT	4 030
MAY	4 550	NOV	4 720
JUN	1 880	DEC	7 580

TOTAL DISCHARGE, 42 400 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 6.40 IS DUE TO CURVE EXTENSION

FRASER BROOK NEAR ARCHIBALD - STATION NO. 01DH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.095B	0.180B	0.100B	0.240B	0.172	0.257	0.033	0.040E	0.002E	0.017	0.394	0.212
2	0.550B	0.150B	0.084B	0.340B	0.183	0.185	0.019	0.102E	0.002E	0.042	0.284	0.173
3	0.420B	0.135B	0.076B	0.600B	0.157	0.150	0.016	0.056E	0.015E	0.113	0.233	0.150
4	0.150B	0.125B	0.069B	1.58 B	0.127	0.190	0.017	0.037E	0.010	0.046	0.196	0.169
5	0.135B	0.115B	0.067B	1.00 B	0.170	0.163	0.016	0.027E	0.004	0.057	0.162	1.65
6	0.110B	0.112B	0.063B	0.450B	0.360	0.113	0.013	0.019A	0.003	0.042	0.176	0.894
7	0.100B	0.110B	0.059B	0.370B	0.308	0.094	0.018	0.011A	0.004	0.026	0.356	0.512
8	0.095B	0.107B	0.057B	0.340B	0.225	0.087	0.027	0.007	0.031	0.020	0.217	0.689
9	0.090B	0.104B	0.055B	0.320B	0.171	0.072	0.019	0.016	0.010	0.017	0.159	3.07
10	0.320B	0.100B	0.054B	0.305B	0.145	0.064	0.025	0.025	0.006	0.047	0.139	1.05
11	0.800B	0.840B	0.053B	1.80 B	0.261	0.058	0.014	0.015	0.009	0.039	0.376	0.545B
12	0.240B	0.550B	0.052B	1.95 B	0.258	0.049	0.009	0.013	0.006	0.027	0.277	0.373B
13	0.150B	0.280B	0.059B	0.911	0.224	0.037	0.005	0.017	0.004	0.022	0.194	0.276B
14	0.112B	0.170B	0.088B	0.610	1.39	0.032	0.004	0.010	0.004	0.026	0.164	0.192B
15	0.103B	0.085B	0.110B	0.477	1.04	0.030	0.003	0.007	0.004	0.027	0.148	0.166B
16	0.096B	0.073B	0.140B	1.17	0.701	0.029A	0.003	0.004	0.007	0.021	0.167	0.525B
17	0.091B	0.068B	0.490B	0.713	0.538	0.028E	0.006A	0.004	0.005	0.016	0.235	0.941
18	0.080B	0.064B	1.17 B	1.37	0.574	0.028E	0.006E	0.003	0.004	0.014	1.03	0.632
19	0.073B	0.062B	0.800B	0.665	0.493	0.027E	0.005E	0.014	0.004	0.365	2.33	1.28
20	0.067B	0.060B	0.650B	0.505	0.366	0.040E	0.004E	0.009	0.057	0.235	1.29	0.637
21	0.062B	0.075B	0.920B	0.858	0.294	0.054E	0.004E	0.005	0.069	0.109	0.715	0.453B
22	0.059B	0.093B	0.580B	1.15	0.285	0.280E	0.004E	0.003	0.029	0.075	0.506	0.903
23	0.055B	0.420B	0.380B	0.747	1.01	0.200E	0.004E	0.003	0.132	0.057	0.389	0.788
24	0.051B	0.490B	0.250B	0.529	0.740	0.110E	0.009E	0.002	0.127	0.254	0.389	1.20
25	0.048B	0.220B	0.210B	0.419	0.446	0.070E	0.025E	0.002	0.053	0.382	0.386	0.748
26	0.180B	0.150B	0.190B	0.336	0.316	0.046E	0.068E	0.002	0.032	0.193	0.303	0.420B
27	1.50 B	0.124B	0.170B	0.297	0.247	0.032A	0.060E	0.002	0.022	0.424	0.223	0.302B
28	0.700B	0.112B	0.150B	0.262	0.200	0.029	0.042E	0.002	0.015	0.269	0.222	0.246B
29	0.400B		0.140B	0.224	0.157	0.023	0.029E	0.002	0.013	0.645	0.234	0.218B
30	0.280B		0.127B	0.192	0.513	0.046	0.020E	0.002	0.013	1.49	0.329	0.209B
31	0.220B		0.120B		0.485		0.008A	0.002E		0.644		0.197B
TOTAL	7.432	5.174	7.533	20.730	12.556	2.623	0.534	0.463	0.696	5.761	12.223	19.820
MEAN	0.240	0.185	0.243	0.691	0.405	0.087	0.017	0.015	0.023	0.186	0.407	0.639
MAX	1.50	0.840	1.17	1.95	1.39	0.280	0.068	0.102	0.132	1.49	2.33	3.07
MIN	0.048	0.060	0.052	0.192	0.127	0.023	0.003	0.002	0.002	0.014	0.139	0.150

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.262
MAXIMUM DAILY, 3.07 ON DEC 09
MINIMUM DAILY, 0.002 ON AUG 24
MAXIMUM INSTANTANEOUS, 4.64E AT 06:20 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 20 35 N
LONG 063 10 05 W

DRAINAGE AREA, 9.07 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	642	JUL	46.1
FEB	447	AUG	40.0
MAR	651	SEP	60.1
APR	1 790	OCT	498
MAY	1 080	NOV	1 960
JUN	227	DEC	1 710

TOTAL DISCHARGE, 8 250 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 3.58 AND BELOW 0.003 IS DUE TO CURVE EXTENSION

GOLD RIVER AT MOSHER'S FALLS - STATION NO. 01EG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.60B	15.3 B	13.0 B	10.4	7.63	27.3	5.25	2.62	0.347	1.03	32.1	11.7	1
2	13.0 B	14.0 B	10.0 B	16.2	6.99	22.5	4.49	3.77	0.323	1.01	25.1	10.3	2
3	13.2 B	12.7 B	9.00B	24.1	6.38	18.3	3.81	3.20	0.343	1.00	20.0	9.01	3
4	10.5 B	11.7 B	8.25B	44.0	5.66	15.5	3.37	2.57	0.285	0.865	16.5	8.31	4
5	9.30B	10.8 B	7.25B	88.6	5.42	14.7	3.16	2.12	0.255	0.879	13.9	34.0	5
6	8.50B	10.1 B	6.60B	64.8	10.1	12.7	2.72	1.84	0.249	0.822	13.0	43.7	6
7	7.80B	9.30B	6.20B	42.1	11.6	10.8	2.32	1.62	0.236	0.881	21.3	34.6	7
8	7.20B	8.80B	5.58B	31.1	10.1	9.33	2.11	1.50	0.254	0.877	19.3	27.6	8
9	6.80B	8.20B	5.10B	24.8	8.95	7.83	1.94	1.44	0.228	0.952	15.9	55.0	9
10	6.90B	9.20B	4.80B	21.0	7.95	6.83	1.81	1.35	0.233	0.815	13.5	64.6	10
11	13.5 B	25.9 B	4.50B	33.6	7.69	6.25	2.51	1.52	0.233	0.802	18.5	46.8	11
12	14.0 B	26.2 B	4.65B	72.8	9.29	8.13	1.93	1.52	0.198	0.941	24.1	31.6	12
13	11.2 B	21.5 B	4.88	60.4	8.18	7.25	1.58	2.22	0.189	1.06	20.0	23.8	13
14	9.90B	18.5 B	4.79	40.2	14.2	6.06	1.37	2.76	0.169	1.13	16.4	19.9	14
15	8.70B	16.2 B	4.90	29.0	33.4	5.33	1.20	2.27	0.169	1.27	14.1	16.0 B	15
16	8.00B	13.8 B	5.04	36.0	28.3	4.72	1.07	1.92	0.227	1.37	12.2	20.1	16
17	7.20B	13.0 B	5.69	42.9	23.3	4.20	0.927	1.60	0.263	1.31	10.8	36.0	17
18	6.40B	11.7 B	15.8	40.9	22.3	3.76	0.842	1.40	0.258	1.23	12.6	34.4	18
19	5.90B	11.0 B	24.9	37.1	25.4	3.33	0.751	1.30	0.220	1.22	52.0	34.5	19
20	5.50B	10.4 B	23.8	29.6	24.1	3.03	0.661	1.21	0.288	1.22	77.6	36.6	20
21	5.10B	9.80B	26.6	23.9	19.8	2.94	0.635	1.07	0.422	1.16	58.8	29.6	21
22	4.80B	9.40B	30.6	23.5	16.7	7.70	0.611	0.963	0.657	1.07	40.6	24.2	22
23	4.50B	14.5 B	27.5	22.6	17.1	13.0	0.715	0.885	0.857	1.03	30.4	23.0	23
24	4.30B	22.0 B	26.4	19.6	21.3	12.3	0.810	0.792	2.52	1.23	24.7	25.2	24
25	4.40B	21.5 B	22.5	16.9	28.5	12.3	0.847	0.695	2.52	4.88	22.1	30.6	25
26	14.0 B	18.8 B	19.1	14.4	25.8	9.92	1.15	0.637	1.98	5.98	19.5	27.4	26
27	27.5 B	16.2 B	16.1	12.8	21.1	7.82	1.93	0.580	1.59	8.70	16.8	22.4	27
28	30.0 B	14.4 B	13.3	11.2	17.4	6.45	1.83	0.542	1.37	11.6	14.6	18.9	28
29	24.0 B		11.2	9.79	14.4	5.34	1.65	0.481	1.25	12.5	13.5	15.5	29
30	20.2 B		9.44	8.32	18.9	5.14	1.59	0.460	1.14	29.8	13.1	13.1	30
31	17.5 B		8.54		30.4		1.58	0.412		38.8		11.7 B	31
TOTAL	334.30	404.90	386.01	952.61	510.34	280.76	57.369	47.267	19.073	137.434	703.0	840.12	TOTAL
MEAN	10.8	14.5	12.5	31.8	16.5	9.36	1.85	1.52	0.636	4.43	23.4	27.1	MEAN
MAX	30.0	26.2	30.6	88.6	33.4	27.3	5.25	3.77	2.52	38.8	77.6	64.6	MAX
MIN	4.30	8.20	4.50	8.32	5.42	2.94	0.611	0.412	0.169	0.802	10.8	8.31	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.8
MAXIMUM DAILY, 88.6 ON APR 05
MINIMUM DAILY, 0.169 ON SEP 14
MAXIMUM INSTANTANEOUS,
93.7 AT 07:42 AST ON APR 05

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 33 52 N
LONG 064 21 06 W
DRAINAGE AREA, 370 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	28 900	JUL	4 960
FEB	35 000	AUG	4 080
MAR	33 400	SEP	1 650
APR	82 300	OCT	11 900
MAY	44 100	NOV	60 700
JUN	24 300	DEC	72 600

TOTAL DISCHARGE, 404 000 dam³

GRAND RIVER AT LOCH LOMOND - STATION NO. 01FH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.97	7.18	3.16	4.27	5.86	9.29	3.93	1.12	0.564	3.22	14.8	4.14	1
2	2.41	6.76	2.84	3.89	5.39	8.60	3.63	2.80	0.485	3.43	13.6	3.98	2
3	2.71	6.17	2.60	3.47	5.04	7.89	3.29	4.32	0.508	3.56	12.4	3.82	3
4	2.85	5.56	2.55	3.71	4.48	7.41	3.00	4.93	0.473	3.44	11.2	3.55	4
5	2.93	5.03	2.38	8.56	4.02	9.55	2.79	5.05	0.412	3.32	10.1	4.43	5
6	2.92	4.48	2.17	10.9	4.38	10.0	2.53	5.01	0.374	3.23	8.88	8.39	6
7	2.84	4.00	2.02	11.9	4.85	9.42	2.29	4.83	0.350	3.16	9.15	9.87	7
8	2.72	3.61	1.88	13.4	4.97	8.70	2.05	4.51	0.387	3.05	8.99	10.1	8
9	2.63	3.35	1.70	13.5	4.76	7.84	1.83	4.12	0.313	2.96	8.57	15.7	9
10	2.54	3.53	1.58	12.7	4.61	7.11	1.72	3.82	0.300A	2.75	7.89	21.7	10
11	2.86	6.74	1.49	13.9	4.26	6.33	1.60	3.56	0.290E	2.54	7.17	21.3	11
12	3.25	9.33A	1.39	18.6	4.09	5.52	1.43	3.19	0.275E	2.37	6.89	19.5	12
13	3.59	9.93	1.32	18.9	3.81	4.85	1.32	2.97	0.265E	2.22	6.40	17.4	13
14	3.70	9.61	1.21	17.3	3.80	4.42	1.19	2.71	0.255A	2.19	6.08	15.6	14
15	3.75	8.78	1.14	15.6	7.17	3.92	1.08	2.50	0.241	2.83	5.54	13.6	15
16	3.63	7.98	1.09	14.5	9.22	3.57	1.02	2.29	0.245	3.25	5.15	12.9	16
17	3.43	7.28	1.06	14.0	10.5	3.50	0.959	2.05	0.318	3.23	4.80	17.6	17
18	3.31	6.65	1.14	15.2	10.5	3.12	0.872	1.81	0.432	3.15	4.55	18.7	18
19	3.31	5.93	1.54	16.0	10.4	2.92	0.809	1.73	0.443	3.07	4.69	19.5	19
20	3.24	5.17	2.05	10.8	10.1	3.00	0.729	1.58	0.542	3.51	5.14	19.8	20
21	3.13	4.75	2.96	9.73	9.41	3.65	0.750	1.40	0.937	3.65	5.34	18.4	21
22	2.94	4.29	4.48	10.3	8.60	4.74	0.717	1.23	1.14	3.49	5.35	17.1	22
23	2.77	3.92	5.61	12.3	8.33	4.98	0.694	1.09	1.42	3.40	5.18	17.2	23
24	2.65	4.10	6.04	12.5	8.36	4.96	0.827	1.03	1.65	3.31	4.96	16.8	24
25	2.65	4.17	7.45	11.4	7.93	5.52	0.870	0.955	3.37	3.57	4.65	16.6	25
26	2.73	3.95	7.36	10.2	7.27	5.67	0.850	0.895	3.58	3.81	4.59	15.4	26
27	4.71A	3.65	6.85	9.19	6.53	5.29	0.915	0.826	3.61	4.39	4.56	13.5	27
28	6.70A	3.42	6.38	8.46	5.89	4.97	0.958	0.772	3.56	4.63	4.33	11.9	28
29	7.20		5.81	7.39	5.24	4.56	0.916	0.700	3.46	5.11	4.17	10.5	29
30	7.76		5.26	6.61	7.35	4.23	0.885	0.667	3.28	11.6	4.19	9.37	30
31	7.65		4.77		9.54		0.840	0.625		14.8		8.57	31
TOTAL	111.56	159.32	100.08	333.28	206.66	175.51	47.291	75.110	34.479	122.12	209.31	416.92	TOTAL
MEAN	3.60	5.69	3.23	11.1	6.67	5.85	1.53	2.42	1.15	3.94	6.98	13.4	MEAN
MAX	7.76	9.93	7.45	18.9	10.5	10.0	3.93	5.05	3.61	14.8	14.8	21.7	MAX
MIN	1.97	3.35	1.06	3.57	3.80	2.92	0.694	0.625	0.241	2.17	4.17	3.55	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.46
MAXIMUM DAILY, 21.7 ON DEC 10
MINIMUM DAILY, 0.241 ON SEP 15
MAXIMUM INSTANTANEOUS,
22.0 AT 15:33 AST ON DEC 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 43 48 N
LONG 060 36 12 W
DRAINAGE AREA, 120 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 640	JUL	4 090
FEB	13 800	AUG	6 490
MAR	8 650	SEP	2 980
APR	28 800	OCT	10 600
MAY	17 900	NOV	18 100
JUN	15 200	DEC	36 000

TOTAL DISCHARGE, 172 000 dam³

NOVA SCOTIA

HALFWAY BROOK NEAR SHEET HARBOUR - STATION NO. 01EN003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.250B	0.660B	0.265E	0.565	0.770	1.11	0.463	0.505	0.043	0.545	1.78	0.615
2	0.300B	0.600B	0.250E	1.41	0.720	0.945	0.397	2.35	0.039	0.669	1.43	0.557
3	0.370B	0.560B	0.233E	2.92	0.674	0.826	0.339	1.33	0.054	0.639	1.21	0.510
4	0.420B	0.530B	0.219E	2.97	0.606	1.28	0.317	0.979	0.061	0.532	1.02	0.631
5	0.405B	0.495B	0.202E	2.83	0.577	2.81	0.282	0.807	0.047	0.511	0.863	2.76
6	0.360B	0.470B	0.196E	2.35	0.966	2.22	0.247	0.697	0.041	0.469	0.800	2.65
7	0.330B	0.445B	0.185E	2.33	0.937	1.71	0.212	0.597	0.040	0.423	1.28	2.18
8	0.305B	0.425B	0.178B	2.25	0.800	1.48	0.211	0.517	0.044	0.378	1.08	2.07
9	0.290B	0.412B	0.168B	1.63	0.698	1.20	0.194	0.460	0.040	0.342	0.910	4.28
10	0.270B	0.750B	0.169	1.36	0.652	0.989	0.192	0.407	0.036	0.311	0.770	3.84
11	0.300B	3.47	0.156	2.90	0.626	0.867	0.179	0.364	0.039	0.267	0.850	3.17
12	0.390B	2.79	0.153	3.91	0.616	0.856	0.150	0.328	0.039	0.230	0.824	2.50
13	0.440B	2.19	0.142B	2.78	0.562	0.702	0.130	0.306	0.034	0.215	0.727	1.87
14	0.390B	1.64	0.139B	2.13	0.750	0.608	0.112	0.270	0.032	0.239	0.649A	1.48
15	0.375B	1.28	0.138	1.59	1.41	0.538	0.088	0.348	0.033	0.388	0.534E	1.21 B
16	0.355B	1.06	0.131	2.03	1.18	0.486	0.080	0.302	0.129	0.331	0.510E	1.[illegible]
17	0.338B	0.860B	0.142	1.84	1.02	0.445	0.067	0.256	0.093	0.268	0.465E	[illegible]
18	0.320B	0.750B	0.220B	1.56	1.07	0.395	0.063	0.228	0.071	0.239	0.479E	[illegible]
19	0.310B	0.640B	0.350B	1.33	1.44	0.359	0.052	0.212	0.054	0.424	1.83 E	[illegible]
20	0.300B	0.580B	0.436	1.12	1.28	0.349	0.048	0.180	0.098	0.605	2.09 A	[illegible]
21	0.288B	0.535E	1.34	1.03	1.07	0.339	0.051	0.153	0.248	0.477	1.67	1.96
22	0.280B	0.490E	1.31	2.52	0.940	0.387	0.049	0.126	0.180	0.405	1.42	1.60
23	0.272B	0.445E	1.16	3.40	1.15	0.410	0.135	0.108	0.290	0.386	1.25	1.65
24	0.264B	0.405E	0.970B	2.72	1.61	0.642	0.401	0.094	0.770	0.462	1.09	1.74
25	0.262B	0.380E	0.935	2.09	1.44	0.853	0.316	0.083	0.612	0.763	0.949	1.99
26	0.410B	0.340E	0.796	1.60	1.17	0.678	0.228	0.070	0.516	0.737	0.829	1.59
27	1.68 B	0.310E	0.703	1.34	0.986	0.568	0.176	0.060	0.457	0.968	0.720	1.35
28	1.21	0.286E	0.614	1.18	0.852	0.500	0.158	0.059	0.411	0.870	0.669	1.20 B
29	0.985		0.537	0.980	0.748	0.449	0.135	0.056	0.362	1.26	0.651	1.08
30	0.800B		0.459	0.871	1.34	0.463	0.117	0.049	0.315	2.81	0.682	0.879
31	0.720B		0.425		1.38		0.093	0.046		2.28		0.780B
TOTAL	13.989	23.798	13.321	59.136	30.040	25.464	5.677	12.347	5.228	19.443	30.031	58.682
MEAN	0.451	0.850	0.430	1.97	0.969	0.849	0.183	0.398	0.174	0.627	1.00	1.89
MAX	1.68	3.47	1.34	3.51	1.61	2.81	0.463	2.35	0.770	2.81	2.09	4.28
MIN	0.250	0.286	0.131	0.565	0.562	0.339	0.048	0.046	0.032	0.215	0.465	0.510

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.814
MAXIMUM DAILY, 4.28 ON DEC 09
MINIMUM DAILY, 0.032 ON SEP 14
MAXIMUM INSTANTANEOUS,
4.77 AT 09:48 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 54 14 N
LONG 062 27 16 W
DRAINAGE AREA, 16.9 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 210	JUL	490
FEB	2 060	AUG	1 070
MAR	1 150	SEP	452
APR	5 110	OCT	1 680
MAY	2 600	NOV	2 590
JUN	2 200	DEC	5 070

TOTAL DISCHARGE, 25 700 dam³

INDIAN BROOK AT INDIAN BROOK - STATION NO. 01FE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.70B	5.00B	1.80 B	2.60B	24.0 E	8.50E	1.96	4.31	0.400	1.56	6.80E	6.00E
2	6.00B	4.30B	1.70 B	2.40B	28.0 E	6.50E	1.69	6.41	0.343	2.20E	5.80E	5.80E
3	5.00B	3.70B	1.65 B	2.30B	19.0 E	5.20E	1.54	6.62	0.320	5.40E	5.00E	5.40E
4	4.20B	3.30B	1.60 B	20.0 E	15.0 E	4.20E	1.47	6.65	0.761	5.70E	6.00E	5.00E
5	3.80B	2.90B	1.50 B	40.0 E	11.8 E	3.60E	1.41	6.02	0.579	6.10E	7.50E	6.50E
6	3.50B	2.60B	1.45 B	26.0 E	10.0 E	3.10E	1.27	4.71	0.483	5.50E	6.00E	10.0 E
7	3.00B	2.30B	1.40 B	20.0 E	8.60E	2.80E	1.07	3.53	0.408	4.43	5.50E	10.0 E
8	2.80B	2.10B	1.35 B	16.0 E	11.0 E	2.30E	0.970	3.18	0.503	3.71	5.10E	60.0 E
9	2.55B	1.95B	1.30 B	13.5 E	14.0 E	2.00E	0.926	2.60	0.635	3.31	5.10E	90.0 E
10	2.30B	1.90B	1.20 B	12.0 E	18.0 E	1.80E	0.803	2.81	0.490	4.15	7.00E	20.0 E
11	2.15B	40.0 B	1.15 B	46.0 E	14.0 E	1.70A	0.826	2.29	0.495	3.66	15.5 E	10.0 E
12	1.85B	20.0 B	1.10 B	32.0 E	12.0 E	1.50A	0.840	2.01	0.426	3.17	10.0 E	7.30E
13	1.80B	12.0 B	1.05 B	24.0 E	10.0 E	1.43	0.721	3.03	0.377	2.90	7.50E	6.60E
14	1.75B	9.70B	1.00 B	18.0 E	11.0 E	1.32	0.639	2.31	0.333	2.84	6.20E	6.00E
15	1.70B	7.50B	0.950B	22.0 E	12.0 E	1.36	0.556	4.84	0.329	3.76	5.50E	5.80E
16	1.65B	6.20B	0.920B	30.0 E	11.0 E	1.27	0.535	3.41	0.603	2.99	4.80E	10.0 E
17	1.60B	5.40B	0.900B	26.0 E	11.0 E	1.47	0.539	2.20	0.643	2.64	7.00E	29.0 E
18	6.00B	4.70B	30.0 B	22.0 E	11.0 E	1.50	0.564	1.60	0.610	2.32	10.0 E	12.0 E
19	14.0 B	4.10B	16.0 B	18.0 E	10.0 E	1.26	0.557	1.45	0.609	5.50E	19.0 E	42.0 E
20	7.00B	3.70B	12.0 B	14.0 E	8.80E	1.48	0.582	1.82	1.10	4.33	20.0 E	20.0 E
21	5.60B	3.40B	9.50 B	22.0 E	8.00E	2.83	0.970	1.37	5.04	4.41	14.0 E	11.0 E
22	4.40B	3.10B	8.00 B	30.0 E	7.20E	4.30	0.482	1.18	3.22	4.50	9.60E	19.0 E
23	3.70B	2.80B	7.00 B	32.0 E	6.50E	11.0	0.421	0.958	2.62	4.48	7.70E	31.0 E
24	3.03B	2.60B	5.90 B	23.3 E	5.80E	6.52	0.901	0.740	7.00 E	5.80E	7.20E	22.0 E
25	2.80B	2.45B	5.10 B	20.0 E	5.30E	7.54	0.896	0.761	4.93	5.00E	6.80E	18.0 E
26	10.0 B	2.30B	4.60 B	17.5 E	4.90E	4.83	0.703	0.633	3.79	6.10E	8.00E	14.0 E
27	30.0 B	2.10B	4.10 B	18.0 E	4.50E	3.39	0.686	0.524	2.69	5.70E	7.00E	10.5 E
28	15.0 B	2.00B	3.70 B	26.0 E	4.20E	2.70	1.38	0.488	2.33	5.20E	6.50E	9.40E
29	11.0 B		3.35 B	22.0 E	4.00E	2.72	2.11	0.438	1.95	6.50E	7.50E	8.70E
30	7.50B		3.10 B	20.0 E	3.00E	2.43	1.02	0.520	1.76	10.5 E	6.50E	8.40E
31	5.80B		2.80 B		16.0 E		0.733	0.495		8.00E		8.00E
TOTAL	175.18	164.10	137.170	637.60	343.60	102.55	29.770	79.907	47.037	147.56	245.30	537.40
MEAN	5.65	5.86	4.42	21.3	11.1	3.42	0.960	2.58	1.57	4.76	8.18	17.3
MAX	30.0	40.0	30.0	46.0	28.0	11.0	2.11	6.65	7.00	10.5	20.0	90.0
MIN	1.60	1.90	0.900	2.30	4.00	1.26	0.421	0.438	0.329	2.52	4.80	5.00

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.25
MAXIMUM DAILY, 90.0E ON DEC 09
MINIMUM DAILY, 0.329 ON SEP 15

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 22 15 N
LONG 060 32 05 W
DRAINAGE AREA, 125 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1978

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	15 100	JUL	2 570
FEB	14 200	AUG	6 900
MAR	11 900	SEP	4 060
APR	55 100	OCT	12 700
MAY	29 700	NOV	21 200
JUN	8 860	DEC	46 400

TOTAL DISCHARGE, 229 000 dam³

REMARKS - DISCHARGES OCT 1-NOV 30 ADJUSTED DUE TO SENSING PROBLEMS. FLOWS SUPPLEMENTED THROUGH RIPARIAN PIPE AT LOW FLOW

KEJIMKUJIK LAKE - STATION NO. 01ED006

DAILY WATER LEVEL IN METRES FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.927	1.513	1.565	1.360	1.435	1.405	1.086	0.999	0.653	0.565	0.769	1.503	1
2	0.953	1.520	1.545	1.344	1.389	1.435	1.073	1.025	0.644	0.565	0.794	1.462	2
3	0.970	1.506	1.515	1.330	1.340	1.449	1.053	1.029	0.631	0.562	0.823	1.420	3
4	0.985	1.484	1.485	1.385	1.302	1.463	1.041	1.023	0.616	0.552	0.849	1.380	4
5	1.001	1.458	1.453	1.464	1.256	1.467	1.022	1.019	0.604	0.563	0.868	1.413	5
6	1.014	1.428	1.421	1.564	1.233	1.458	1.000	1.010	0.591	0.562	0.891	1.431	6
7	1.027	1.394	1.385	1.640	1.203	1.442	0.977	1.000	0.590	0.561	0.934	1.439	7
8	1.033	1.361	1.348	1.697	1.170	1.422	0.956	0.985	0.600	0.557	0.955	1.456	8
9	1.035	1.327	1.312	1.710	1.147	1.392	0.938	0.975	0.592	0.559	0.971	1.522	9
10	1.047	1.325	1.280	1.705	1.123	1.357	0.931	0.969	0.583	0.562	0.980	1.583	10
11	1.075	1.393	1.248	1.743	1.119	1.333	0.909	0.951	0.577	0.551	1.017	1.634	11
12	1.095	1.471	1.217	1.851	1.115	1.328	0.886	0.944	0.569	0.553	1.034	1.654	12
13	1.108	1.532	1.193	1.941	1.095	1.316	0.864	0.936	0.569	0.554	1.042	1.660	13
14	1.116	1.576	1.171	1.998	1.117	1.296	0.851	0.922	0.559	0.560	1.040	1.657	14
15	1.118	1.599	1.165	2.020	1.137	1.273	0.831	0.910	0.553	0.559	1.044	1.624	15
16	1.120	1.599	1.160	2.050	1.153	1.251	0.818	0.892	0.559	0.560	1.046	1.630	16
17	1.120	1.589	1.157	2.035	1.159	1.224	0.804	0.874	0.547	0.558	1.046	1.651	17
18	1.117	1.566	1.180	2.042	1.174	1.197	0.784	0.856	0.542	0.550	1.072	1.657	18
19	1.113	1.534	1.222	2.018	1.188	1.161	0.776	0.839	0.533	0.561	1.091	1.707	19
20	1.109	1.496	1.269	1.989	1.199	1.134	0.756	0.822	0.532	0.554	1.331	1.743	20
21	1.105	1.456	1.317	1.957	1.201	1.134	0.738	0.805	0.533	0.542	1.441	1.767	21
22	1.099	1.414	1.364	1.923	1.207	1.138	0.726	0.789	0.524	0.540	1.533	1.793	22
23	1.092	1.431	1.415	1.875	1.224	1.130	0.724	0.779	0.548	0.538	1.590	1.819	23
24	1.088	1.493	1.452	1.826	1.254	1.131	0.741	0.753	0.568	0.560	1.647	1.848	24
25	1.097	1.541	1.471	1.772	1.275	1.131	0.750	0.740	0.565	0.577	1.671	1.855	25
26	1.119	1.564	1.467	1.715	1.290	1.122	0.819	0.732	0.568	0.588	1.671	1.857	26
27	1.188	1.577	1.466	1.657	1.300	1.119	0.867	0.716	0.568	0.620	1.635	1.836	27
28	1.274	1.580	1.449	1.596	1.303	1.109	0.908	0.703	0.570	0.631	1.609	1.804	28
29	1.352		1.421	1.536	1.295	1.093	0.943	0.697	0.568	0.667	1.578	1.768	29
30	1.444		1.393	1.484	1.331	1.095	0.965	0.685	0.565	0.710	1.541	1.739	30
31	1.487		1.377		1.379		0.978	0.671		0.742		1.712	31
MEAN	1.111	1.490	1.351	1.740	1.229	1.267	0.888	0.873	0.574	0.577	1.187	1.646	MEAN
MAX	1.487	1.599	1.565	2.050	1.435	1.467	1.086	1.029	0.653	0.742	1.671	1.857	MAX
MIN	0.927	1.325	1.157	1.330	1.095	1.093	0.724	0.671	0.524	0.538	0.769	1.380	MIN

SUMMARY FOR THE YEAR 1990

WATER LEVELS IN METRES

MEAN 1.158
MAXIMUM DAILY, 2.050 ON APR 16
MINIMUM DAILY, 0.524 ON SEP 22
MAXIMUM INSTANTANEOUS,
2.055 AT 03:15 AST ON APR 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 22 58 N
LONG 065 12 23 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM
APPLY 88.072 m ADJUSTMENT TO CONVERT TO GEODETIC SURVEY OF CANADA DATUM

KELLEY RIVER (MILL CREEK) AT EIGHT MILE FORD - STATION NO. 01DL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.400B	2.02 B	1.30 B	1.47	1.01	6.39	0.218	1.32	0.161	0.741	4.38	1.44	1
2	0.640B	1.75 B	1.16 B	2.92	1.00	3.92	0.204	7.38	0.153	0.849	2.95	1.30	2
3	1.08 B	1.57 B	1.05 B	4.18	0.909	2.65	0.189	5.78	0.330	1.31	2.39	1.14	3
4	0.880B	1.38 B	0.940B	7.93	0.785	2.97	0.181	2.67	0.324	0.965	1.98	2.06	4
5	1.30 B	1.19 B	0.820B	9.78	0.742	3.25	0.172	1.40	0.231	1.24	1.67	16.6	5
6	1.10 B	1.04 B	0.730B	5.46	2.65	2.18	0.162	0.882	0.200	1.15	2.09	8.82	6
7	0.870B	0.940B	0.670B	4.04	2.09	1.62	0.152	0.589	0.215	0.959	6.62	4.77	7
8	0.650B	0.800B	0.612B	3.07	1.34	1.29	0.145	0.445	1.06	0.704	4.30	3.96	8
9	0.490B	0.670B	0.550B	2.43	1.57	1.13	0.134	0.409	0.697	0.632	2.84	8.64	9
10	0.395B	3.00 B	0.600B	2.96	1.32	1.00	0.156	0.379	0.452	2.08	2.18	6.11	10
11	0.800B	7.70 B	0.800B	17.1	1.33	0.872	0.144	0.566	0.378	2.05	1.97	4.27	11
12	1.90 B	5.80 B	0.938B	14.0	1.46	0.740	0.129	8.32	0.319	1.45	1.71	3.62	12
13	1.66 B	3.90 B	1.45 B	6.50	1.10	0.581	0.125	8.47	0.259	1.18	1.38	3.11	13
14	1.27 B	3.00 B	1.20 B	4.26	7.16	0.476	0.121	4.19	0.212	1.06	1.18	3.46A	14
15	0.980B	2.40 B	1.10 B	3.23	8.01	0.464	0.115	2.33	0.196	1.01	1.05	3.04A	15
16	0.750B	1.75 B	0.980B	12.3	5.01	0.423	0.108	1.38	0.340	0.882	0.909	3.02A	16
17	0.619B	1.45 B	1.70 B	7.64	3.55	0.373	0.109	0.925	0.323	0.727	0.873	7.89A	17
18	0.900B	1.10 B	3.40 B	8.21	4.77	0.334	0.104	0.703	0.266	0.626	2.68	5.26	18
19	1.33 B	0.980B	6.60 B	5.65	5.37	0.308	0.100	0.604	0.228	0.634	11.8	17.3	19
20	1.05 B	0.770B	3.90 B	3.91	3.74	0.289	0.099	0.618	1.09	0.733	10.1	9.65	20
21	0.840B	0.670B	5.40 B	3.19	2.86	0.291	0.100	0.479	5.88	0.600	5.70	5.69A	21
22	0.690B	0.590B	4.60 B	3.07	3.17	1.16	0.099	0.305	2.96	0.551	4.02	4.92A	22
23	0.530B	1.02 B	3.10 B	2.67	11.7	1.21	0.103	0.326	4.19	0.517	3.07	10.8 A	23
24	0.440B	2.85 B	2.40 B	2.19	11.3	0.832	0.246	0.287	6.46	1.21	2.39	8.18A	24
25	0.480B	2.45 B	4.70 B	1.83	8.30	0.720	1.38	0.252	3.33	3.06	5.04	13.2 A	25
26	2.50 B	2.00 B	3.90 B	1.60	3.83	0.499	4.42	0.228	1.94	2.04	4.31	6.26A	26
27	12.3 B	1.68 B	3.20 B	1.45	2.72	0.362	3.85	0.208	1.36	3.74	2.90	5.96A	27
28	8.30 B	1.50 B	2.50 B	1.40	2.07	0.309	1.66	0.195	1.06	3.36	2.28	5.21A	28
29	4.00 B		1.90 B	1.26	1.61	0.273	0.881	0.187	0.837	4.21	2.02	3.36A	29
30	2.80 B		1.51 B	1.10	10.9	0.233	0.528	0.193	0.761	12.8	1.73	2.63A	30
31	2.30 B		1.08		14.3		0.387	0.175		7.32		3.56A	31
TOTAL	54.244	55.870	67.798	147.25	127.376	37.179	16.551	52.355	36.232	60.290	99.512	181.23	TOTAL
MEAN	1.75	2.00	2.19	4.91	4.11	1.24	0.534	1.69	1.21	1.94	3.32	5.85	MEAN
MAX	12.3	7.70	6.60	17.1	14.3	6.39	4.42	8.47	6.46	12.8	11.8	17.3	MAX
MIN	0.395	0.590	0.550	1.10	0.742	0.233	0.099	0.175	0.153	0.517	0.873	1.14	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.56
MAXIMUM DAILY, 17.3 ON DEC 19
MINIMUM DAILY, 0.099 ON JUL 20
MAXIMUM INSTANTANEOUS,
35.5E AT 19:03 AST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 35 10 N
LONG 064 27 05 W

DRAINAGE AREA, 63.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 690	JUL	1 430
FEB	4 830	AUG	4 520
MAR	5 860	SEP	3 130
APR	12 700	OCT	5 210
MAY	11 000	NOV	8 600
JUN	3 210	DEC	15 700

TOTAL DISCHARGE, 80 900 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 28.6 IS DUE TO CURVE EXTENSION

NOVA SCOTIA

LAHAVE RIVER AT WEST NORTHFIELD - STATION NO. 01EF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	13.8	63.5	50.7B	38.8	31.8	92.9	26.1	28.1	4.74	5.78	70.1	41.9	
2	20.5	57.3	44.6B	45.9	29.2	82.9	23.4	29.7	4.50	5.51	65.9	38.0	
3	55.0	50.2B	41.8B	53.2	26.8	70.7	20.6	29.9	4.43	5.17	59.9	35.1	
4	26.4	43.3B	39.0B	79.6	23.8	63.0	17.7	27.3	4.39	4.86	52.9	32.9	
5	27.4	37.8B	36.6B	153	22.3	59.5	15.8	23.8	4.13	4.78	47.3	63.8	
6	28.6	34.7B	31.9B	153	24.7	53.0	14.2	20.6	3.95	4.88	41.9	90.0	
7	27.9	33.1B	28.9B	129	25.5	46.3	12.8	18.1	3.77	4.98	45.0	88.4	
8	26.0	31.3	25.4B	110	24.7	40.8	11.6	16.3	3.84	4.93	43.7	81.8	
9	24.3	30.0	23.9B	93.5	23.3	35.7	10.9	15.0	3.62	4.79	41.2	139	
10	24.7	42.6	22.8B	80.7	21.8	31.6	10.3	14.0	3.42	4.87	37.0	161	
11	32.6	128	22.3	116	21.3	29.9	10.3	13.7	3.23	4.89	38.9	140	
12	35.9	129	21.8	234	22.6	32.9	10.1	13.2	2.90	4.68	39.8	114	
13	35.4	108	22.1	207	22.3	30.8	9.08	13.2	2.70	4.74	38.1	94.2	
14	33.2	91.2	21.6	162	21.1	27.0	7.87	13.6	2.58	5.23	35.8	79.9	
15	29.3B	74.7	22.3	128	52.1	23.4	7.23	13.7	2.37	5.85	33.0	63.3	
16	27.5	62.5	21.9	133	53.4	20.8	6.66	13.2	2.43	6.09	31.5	71.1	
17	25.4	54.5	24.5	144	48.9	18.9	6.04	12.2	2.29	6.42	29.9	98.9	
18	23.8	46.3	44.7	147	48.2	17.0	5.65	11.2	2.17	6.24	34.2	102	
19	22.5B	40.4B	68.6	141	54.5	15.3	5.20	10.6	1.97	6.33	116	109	
20	21.5B	35.4B	72.2	121	53.5	16.1	4.87	9.89	2.01	6.59	180	118	
21	20.5B	30.8B	76.3	103	48.9	18.3	4.71	9.42	2.24	6.55	165	108	
22	20.2B	29.3	85.1	96.0	44.3	26.1	4.40	8.81	2.17	6.20	137	95.5	
23	19.9B	51.2	84.1	87.5	44.7	48.5	4.55	8.20	2.86	6.09	112	91.8	
24	19.5B	90.6	82.6	77.4	56.1	55.9	4.65	7.59	4.16	6.34	94.9	93.5	
25	20.1B	81.2B	76.5	67.1	71.3	54.1	5.95	7.06	6.05	8.78	82.9	106	
26	37.2	73.3B	69.0	58.1	70.4	47.1	13.1	6.63	7.10	12.3	71.9	101	
27	82.6	64.8B	60.9	51.3	63.1	39.7	30.0	6.41	7.20	16.8	62.4	87.9	
28	105	57.0B	53.1	44.6	55.5	33.4	38.3	6.12	6.88	24.0	55.3	71.4	
29	95.1		46.8	39.9	48.0	28.9	38.0	5.69	6.38	30.1	49.9	63.0	
30	81.2		41.7	35.8	61.7	27.1	33.3	5.45	5.92	52.9	46.3	58.2	
31	71.7		38.3		92.7		29.1	5.13		68.2		56.4	
TOTAL	1 102.7	1 672.0	1 402.0	3 130.6	1 318.3	1 187.6	442.46	423.80	116.40	345.57	1 959.7	2 695.0	TOT
MEAN	35.6	59.7	45.2	104	42.5	39.6	14.3	13.7	3.88	11.1	65.3	86.9	MEA
MAX	101	129	85.1	234	92.7	92.9	38.3	29.9	7.20	68.2	180	161	MAX
MIN	13.8	29.3	21.6	35.8	21.3	15.3	4.40	5.13	1.97	4.68	29.9	32.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 43.3
MAXIMUM DAILY, 234 ON APR 12
MINIMUM DAILY, 1.97 ON SEP 19
MAXIMUM INSTANTANEOUS,
245 AT 16:22 AST ON APR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 26 48 N
LONG 064 35 30 W
DRAINAGE AREA, 1 250 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	95 300	JUL	38 200
FEB	144 000	AUG	36 600
MAR	121 000	SEP	10 100
APR	270 000	OCT	29 900
MAY	114 000	NOV	169 000
JUN	103 000	DEC	233 000

TOTAL DISCHARGE, 1 360 000 dam³

REMARKS - PUBLISHED UNDER THE NAME "LA HAVE RIVER AT WEST NORTHFIELD"

LAKE O'LAW BROOK AT EGYPT ROAD - STATION NO. 01FB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.510B	1.75 B	0.630B	1.37	3.23	1.17	0.588	0.869	0.447	1.12	3.88	1.87	1
2	1.40 B	1.45 B	0.600B	1.38	3.75	1.07	0.572	2.82	0.442	1.25	3.08	1.74	2
3	1.10 B	1.25 B	0.580B	1.66	3.50	0.987	0.551	3.40	0.570	1.32	2.61	1.52	3
4	1.02 B	1.10 B	0.560B	4.93	3.02	0.956	0.556	1.80	0.501	1.28	2.26	1.50	4
5	0.920B	0.920B	0.540B	15.3	2.62	1.07	0.540	1.19	0.479	1.11	2.18	4.32	5
6	0.840B	0.820B	0.520B	10.0	2.59	1.00	0.520	0.919	0.457	1.28	1.92	6.91	6
7	0.770B	0.730B	0.500B	7.98	2.27	0.940	0.527	0.840	0.457	1.21	2.09	4.48	7
8	0.720B	0.660B	0.490B	5.95	2.07	0.895	0.501	0.764	0.546	1.08	1.90	4.46	8
9	0.670B	0.590B	0.475B	4.54	2.00	0.822	0.503	0.731	0.490	0.970	2.01	18.3	9
10	0.630B	0.540B	0.458B	3.83	1.96	0.771	0.503	0.757	0.475	1.17	2.18	11.2	10
11	0.590B	0.800B	0.445B	7.81	1.90	0.751	0.495	0.683	0.464	0.994	9.92	6.48	11
12	0.550B	1.00 B	0.430B	13.9	1.85	0.713	0.470	0.664	0.447	0.898	9.71	4.61	12
13	0.520B	1.90 B	0.420B	8.13	1.70	0.695	0.475	0.634	0.465	0.832	5.53	3.69	13
14	0.490B	1.70 B	0.405B	5.56	2.15	0.666	0.460	0.631	0.456	0.746	4.04	3.03	14
15	0.470B	1.55 B	0.395B	4.73	2.76	0.659	0.444	0.818	0.436	0.929	3.26	2.71	15
16	0.450B	1.40 B	0.385B	7.06	2.75	0.654	0.444	0.644	0.545	0.925	2.79	5.66	16
17	0.560B	1.30 B	0.380B	7.91	3.25	0.713	0.450	0.603	0.510	0.842	2.59	12.7	17
18	4.20 B	1.20 B	2.88	7.39	4.69	0.664	0.445	0.568	0.486	0.746	2.78	7.42	18
19	3.00 B	1.10 B	3.90	5.75	4.57	0.649	0.463	0.568	0.470	1.18	3.65	11.8	19
20	2.90 B	1.05 B	2.77	4.70	2.38	0.875	0.461	0.540	0.585	1.49	4.75	8.06	20
21	2.20 B	0.980B	2.93	4.55	2.07	0.812	0.458	0.519	0.768	1.55	4.23	5.49	21
22	1.80 B	0.940B	3.16	5.61	1.83	0.822	0.436	0.497	0.598	1.29	3.54	10.3	22
23	1.55 B	0.880B	2.94	7.10	1.62	0.907	0.458	0.492	1.19	1.16	3.32	10.8	23
24	1.25 B	0.840B	4.01	5.82	1.48	0.802	0.518	0.490	1.66	1.07	3.09	8.98	24
25	1.01	0.800B	3.26	4.58	1.37	0.816	0.494	0.484	1.25	1.80	2.73	7.50	25
26	1.77	0.760B	2.82	3.81	1.26	0.722	0.496	0.491	1.03	1.75	2.87	5.53	26
27	7.00 B	0.730B	2.38	3.59	1.16	0.677	0.488	0.490	0.770	2.51	2.42	4.50	27
28	5.80 B	0.690B	2.19	3.84	1.10	0.671	0.468	0.483	0.655	2.23	2.31	3.78	28
29	4.10 B		1.85	3.56	1.05	0.641	0.453	0.476	0.611	2.23	2.17	3.00B	29
30	2.90 B		1.97	3.26	1.31	0.608	0.430	0.461	0.632	5.11	2.06	2.80B	30
31	2.10 B		1.52		1.35		0.416	0.458		5.29		2.70B	31
TOTAL	52.870	29.430	46.693	175.60	66.61	24.198	15.083	25.784	18.892	47.362	102.01	188.04	TOTA
MEAN	1.71	1.05	1.51	5.85	2.15	0.807	0.487	0.832	0.630	1.53	3.40	6.07	MEAN
MAX	7.00	1.90	4.01	15.3	4.69	1.17	0.588	3.40	1.66	5.29	9.92	18.3	MAX
MIN	0.450	0.540	0.380	1.37	1.05	0.608	0.416	0.458	0.436	0.746	1.90	1.50	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.17
MAXIMUM DAILY, 18.3 ON DEC 09
MINIMUM DAILY, 0.380B ON MAR 17
MAXIMUM INSTANTANEOUS,
23.7 AT 11:58 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 18 53 N
LONG 060 58 23 W
DRAINAGE AREA, 37.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 570	JUL	1 300
FEB	2 540	AUG	2 230
MAR	4 030	SEP	1 630
APR	15 200	OCT	4 090
MAY	5 760	NOV	8 810
JUN	2 090	DEC	16 200

TOTAL DISCHARGE, 68 500 dam³

LISCOMB RIVER AT LISCOMB MILLS - STATION NO. 01EN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.84B	27.7 B	5.70B	9.74	15.3	35.6	9.25	6.57	1.10	9.11	58.6	13.7	1
2	8.80B	20.9 B	5.55B	11.3	13.3	30.2	8.07	53.0	0.961	13.7	45.1	13.7	2
3	13.3 B	14.6 B	5.30B	37.6	12.3	23.2	6.83	72.6	1.00	18.2	34.1	13.1	3
4	16.7 B	12.8 B	5.20B	62.9	11.2	19.7	5.79	57.7	1.03	18.7	26.1	11.9	4
5	14.3	11.3 B	5.07B	84.0	9.99	38.6	5.10	39.5	1.03	16.6	20.5	33.9	5
6	12.5	10.2 B	4.95B	84.0	12.1	37.3	4.55	27.2	0.954	13.7	17.3	87.3	6
7	11.0	9.35B	4.80B	65.3	16.3	28.7	4.07	18.7	0.866	11.5	18.5	62.4	7
8	9.51	8.89	4.68B	57.8	19.8	21.9	3.75	13.4	0.846	9.88	21.7	62.2	8
9	8.05	8.29B	4.53B	49.9	20.0	16.3	3.53	10.2	0.822	8.33	22.5	96.3	9
10	7.15	12.3	4.50	40.4	17.2	12.3	3.45	8.31	0.775	7.24	19.8	147	10
11	9.35B	59.6	4.32	44.0	14.4	9.74	3.38	6.88	0.752	6.36	19.6	104	11
12	12.7	76.1	4.21	80.5	13.7	8.25	3.20	5.87	0.743	5.80	29.9	70.0	12
13	16.0	64.8	4.07	82.5	13.4	6.89	2.98	5.23	0.698	5.38	34.8	46.7	13
14	17.2	46.5	4.04	62.5	14.1	5.71	2.71	4.59	0.647	5.24	29.8	36.7	14
15	16.1 B	33.3	4.04	45.0	29.0	5.06	2.53	4.43	0.638	6.66	23.4	27.6	15
16	13.5 B	23.6	4.07	41.6	39.2	4.61	2.25	4.48	0.886	9.16	18.7	32.6	16
17	11.3 B	18.0	3.99	46.8	38.2	4.28	2.02	4.67	1.52	11.7	15.6	83.4	17
18	8.72	13.9	5.13	45.1	31.2	4.00	1.72	4.64	2.02	11.4	13.6	90.6	18
19	7.91	11.9	10.5	39.4	29.1	3.65	1.39	4.58	2.23	11.8	20.7	73.4	19
20	6.80B	10.2	20.1	33.0	27.9	3.57	1.22	4.30	2.52	18.1	53.4	66.9	20
21	6.40B	8.25	31.5	27.9	24.6	3.46	1.12	3.89	3.97	23.3	70.6	54.7	21
22	6.00B	7.30B	46.8	36.6	20.7	3.44	1.09	3.58	5.43	23.5	60.9	43.4	22
23	5.55B	7.00B	49.1	81.9	19.1	3.11	1.54	3.16	6.93	19.4	46.3	43.9	23
24	5.20B	6.70B	46.4	82.4	30.2	19.4	3.26	2.74	15.0	16.4	35.3	51.3	24
25	4.94	6.40B	40.3	62.3	40.3	27.4	3.94	2.54	23.2	18.9	27.5	61.3	25
26	5.60	6.25B	33.5	44.6	37.9	26.8	3.87	2.28	22.2	26.5	22.8	59.5	26
27	43.0	6.01B	26.2	33.3	29.6	21.7	3.34	2.01	17.5	33.3	19.1	47.4	27
28	76.9	5.85B	19.8	26.9	22.7	16.7	3.04	1.81	13.2	35.5	16.1	34.2	28
29	65.4		15.9	21.6	17.4	13.3	2.86	1.60	9.91	36.9	14.3	26.2	29
30	46.5		12.7	18.0	19.0	10.6	2.61	1.44	7.83	60.5	13.5	21.1	30
31	34.4		10.7		31.5		2.35	1.26		68.3		18.1	31
TOTAL	525.62	547.99	447.65	1 458.84	690.69	469.47	106.81	383.16	147.208	581.06	870.1	1 654.5	TOTAL
MEAN	17.0	19.6	14.4	48.6	22.3	15.6	3.45	12.4	4.91	18.7	29.0	53.4	MEAN
MAX	76.9	76.1	49.1	84.0	40.3	38.6	9.25	72.6	23.2	68.3	70.6	147	MAX
MIN	4.84	5.85	3.99	9.74	9.99	3.44	1.09	1.26	0.638	5.24	13.5	11.9	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.6
MAXIMUM DAILY, 147 ON DEC 10
MINIMUM DAILY, 0.638 ON SEP 15
MAXIMUM INSTANTANEOUS,
155 AT 09:42 AST ON DEC 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 00 54 N
LONG 062 05 45 W
DRAINAGE AREA, 389 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	45 400	JUL	9 230
FEB	47 300	AUG	33 100
MAR	38 700	SEP	12 700
APR	126 000	OCT	50 200
MAY	59 700	NOV	75 200
JUN	40 600	DEC	143 000

TOTAL DISCHARGE, 681 000 dam³

LITTLE SACKVILLE RIVER AT MIDDLE SACKVILLE - STATION NO. 01EJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.060B	0.410B	0.088B	0.894	0.099	0.472	0.054	0.499	0.004	0.039	0.434	0.222	1
2	0.090B	0.250B	0.072B	4.23	0.157	0.284	0.041	0.225	0.003	0.033	0.237	0.180	2
3	0.190B	0.187B	0.062B	2.01	0.122	0.190	0.033	0.053	0.019	0.030	0.225	0.148	3
4	0.300B	0.260B	0.055B	3.58	0.103	0.678	0.050	0.029	0.009	0.020	0.161	0.687	4
5	0.520B	0.152B	0.048B	1.96	0.382	0.379	0.036	0.020	0.004	0.094	0.133	5.65	5
6	0.220B	0.129B	0.108B	0.728	1.03	0.198	0.025	0.017	0.003	0.039	1.06	1.26	6
7	0.130B	0.111B	0.072B	0.670	0.404	0.150	0.028	0.035	0.044	0.021	1.09	0.554	7
8	0.080B	0.096B	0.062B	0.632	0.288	0.133	0.025	0.284	0.117	0.017	0.405	1.48	8
9	0.060B	0.180B	0.058B	0.454	0.219	0.110	0.026	0.109	0.012	0.017	0.271	7.32	9
10	1.14 B	3.20 B	0.064B	0.402	0.174	0.093	0.040	0.039	0.020	0.168	0.186	1.31	10
11	0.740B	2.40 B	0.077B	4.42	0.854	0.236	0.022	0.035	0.007	0.075	1.37	0.553	11
12	0.490B	0.900B	0.098B	3.04	0.521	0.267	0.016	0.146	0.003	0.036	0.508	0.409	12
13	0.330B	0.540B	0.088B	0.825	0.284	0.103	0.015	0.058	0.002	0.118	0.318	0.257	13
14	0.230B	0.330B	0.073B	0.393	1.11	0.078	0.009	0.089	0.001	0.220	0.220	0.338	14
15	0.145B	0.245B	0.081B	0.266	0.822	0.076	0.008	0.053	0.096	0.155	0.167	0.397	15
16	0.088B	0.200B	0.100B	3.03	0.569	0.073	0.007	0.052	0.069	0.066	0.147	3.42	16
17	0.100B	0.160B	0.180B	1.01	0.370	0.070	0.006	0.039	0.016	0.039	0.129	1.96	17
18	0.620B	0.133B	0.995B	1.97	1.62	0.066	0.006	0.033	0.008	0.031	3.51	0.946	18
19	0.200B	0.122B	0.480B	0.797	1.07	0.057	0.006	0.103	0.006	0.661	5.82	1.56	19
20	0.066B	0.110B	0.295B	0.367	0.659	0.062	0.078	0.041	0.406	0.221	1.77	0.584	20
21	0.053B	0.100B	2.72 B	0.462	0.384	0.058	0.059	0.029	0.129	0.079	0.701	0.361	21
22	0.080B	0.400B	1.15 B	1.72	0.287	0.318	0.018	0.022	0.028	0.055	0.394	0.425	22
23	0.108B	1.20 B	0.730B	0.864	0.874	0.094	0.384	0.019	0.620	0.056	0.281	0.852	23
24	0.075B	0.620B	0.400B	0.461	2.45	0.209	0.125	0.016	0.224	1.33	0.356	0.999	24
25	0.600B	0.370B	0.240B	0.296	0.855	0.104	0.041	0.010	0.055	1.03	0.345	0.696	25
26	2.30 B	0.260B	0.197B	0.195	0.437	0.059	0.046	0.006	0.030	0.339	0.259	0.360	26
27	1.00 B	0.170B	0.160B	0.160	0.261	0.053	0.036	0.005	0.023	1.30	0.176	0.584	27
28	0.560B	0.110B	0.149B	0.151	0.159	0.047	0.028	0.006	0.023	0.531	0.184	0.233	28
29	0.350B		0.138B	0.124	0.137	0.042	0.019	0.008	0.019	2.94	0.288	0.176	29
30	0.600B		0.132	0.103	1.79	0.140	0.015	0.008	0.018	3.96	0.512	0.150B	30
31	1.17 B		0.125		1.04		0.191	0.006		0.911		0.140B	31
TOTAL	12.695	13.345	9.305	36.214	19.571	4.899	1.490	2.094	2.018	15.141	21.657	34.211	TOTAL
MEAN	0.410	0.477	0.300	1.21	0.631	0.163	0.048	0.068	0.067	0.488	0.722	1.10	MEAN
MAX	2.30	3.20	2.72	4.42	2.45	0.678	0.384	0.499	0.620	3.96	5.82	7.32	MAX
MIN	0.053	0.096	0.048	0.103	0.099	0.042	0.006	0.005	0.001	0.017	0.129	0.140	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.473
MAXIMUM DAILY, 7.32 ON DEC 09
MINIMUM DAILY, 0.001 ON SEP 14
MAXIMUM INSTANTANEOUS,
14.1 AT 04:34 AST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 45 49 N
LONG 063 41 20 W
DRAINAGE AREA, 13.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 100	JUL	129
FEB	1 150	AUG	181
MAR	804	SEP	174
APR	3 130	OCT	1 310
MAY	1 690	NOV	1 870
JUN	423	DEC	2 960

TOTAL DISCHARGE, 14 900 dam³

NOVA SCOTIA

LITTLE WEST RIVER NEAR SHEET HARBOUR - STATION NO. 01EM002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DA
1	0.763	3.10	1.18 B	1.69	2.48	2.85	0.982	0.460	0.255	0.867	5.67	1.95	1
2	0.850B	2.61	1.14 B	2.45	2.24	2.72	0.948	1.29	0.255	1.19	4.51	1.79	2
3	0.930B	2.42	1.10 B	4.66	2.06	2.45	0.852	1.84	0.250	1.49	3.86	1.71	3
4	1.02 B	2.01	1.06 B	6.90	1.81	2.52	0.807	1.95	0.238	1.47	3.21	1.62	4
5	1.00 B	1.81	1.02 B	10.3	1.67	4.47	0.763	1.79	0.222	1.47	2.82	3.45	5
6	0.970B	1.67	0.975B	9.72	1.92	4.82	0.695	1.69	0.206	1.40	2.45	6.97	6
7	0.920B	1.53	0.940B	8.50	2.01	4.08	0.608	1.51	0.201	1.34	2.82	6.97	7
8	0.880B	1.45	0.920B	8.18	2.09	3.73	0.597	1.38	0.206	1.25	2.89	6.44	8
9	0.840B	1.29	0.880B	6.97	1.95	3.45	0.541	1.25	0.197	1.03	2.68	12.6	9
10	0.800B	1.27	0.850B	5.79	1.84	2.85	0.530	1.17	0.192	1.06	2.42	16.3	10
11	1.00 B	6.24	0.830B	5.67	1.67	2.24	0.541	1.02	0.183	0.915	2.45	12.9	11
12	1.19 B	8.50	0.810B	12.0	1.71	2.45	0.470	1.03	0.178	0.883	2.24	10.8	12
13	1.30 B	7.41	0.770B	11.3	1.64	2.06	0.460	0.948	0.176	0.836	2.21	7.56	13
14	1.35 B	6.17	0.763	9.35	1.49	1.81	0.460	0.867	0.161	0.821	2.09	6.11	14
15	1.19 B	4.92	0.763	6.97	2.24	1.64	0.365	0.852	0.157	0.915	1.79	4.71	15
16	1.07 B	4.08	0.749	6.44	2.61	1.58	0.328	0.763	0.201	0.965	1.69	4.82	16
17	0.980B	3.61	0.736	6.63	2.55	1.47	0.335	0.709	0.197	0.915	1.58	9.18	17
18	0.920B	3.06	0.852	6.24	2.24	1.27	0.321	0.670	0.187	0.898	1.49	9.00	18
19	0.860B	2.61	1.21	5.49	2.89	1.23	0.287	0.645	0.183	0.915	1.71	9.26	19
20	0.820B	2.24	1.40	4.71	3.14	1.17	0.280	0.574	0.178	1.36	4.13	8.50	20
21	0.775B	1.95	1.81	4.08	3.06	1.05	0.274	0.541	0.253	1.42	4.32	6.97	21
22	0.750B	1.67	2.89	4.08	2.75	1.05	0.261	0.499	0.267	1.47	4.61	6.11	22
23	0.725B	1.55B	3.14	8.50	2.96	1.03	0.250	0.480	0.314	1.40	3.95	5.55	23
24	0.710B	1.46B	3.29	8.42	3.37	1.03	0.381	0.415	0.574	1.42	3.61	5.49	24
25	0.690B	1.36B	3.18	6.84	3.86	1.29	0.407	0.407	0.682	1.92	3.25	5.73	25
26	0.900B	1.32B	2.85	5.37	3.73	1.27	0.460	0.365	0.736	2.24	2.89	5.31	26
27	2.06	1.27B	2.58	4.56	3.33	1.25	0.407	0.328	0.722	2.52	2.52	4.66	27
28	3.45	1.22B	2.42	3.95	3.09	1.19	0.407	0.328	0.722	2.61	2.21	3.86	28
29	3.53		2.09	3.22	2.99	1.17	0.407	0.321	0.682	2.58	1.95	3.45	29
30	3.49		1.84	2.85	2.55	1.00	0.398	0.300	0.645	4.92	2.06	2.92	30
31	3.45		1.67		3.25		0.365	0.287		6.24		2.78	31
TOTAL	40.183	79.80	46.708	191.86	76.62	62.19	15.187	26.679	9.620	50.730	86.08	195.47	TOT
MEAN	1.30	2.85	1.51	6.40	2.47	2.07	0.490	0.861	0.321	1.64	2.87	6.31	MEA
MAX	3.53	8.50	3.29	12.0	3.86	4.82	0.982	1.95	0.736	6.24	5.67	16.3	MAX
MIN	0.690	1.22	0.736	1.69	1.49	1.00	0.250	0.287	0.157	0.821	1.49	1.62	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.41
MAXIMUM DAILY, 16.3 ON DEC 10
MINIMUM DAILY, 0.157 ON SEP 15
MAXIMUM INSTANTANEOUS,
16.3A ON DEC 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 44 54 04 N
LONG 062 33 39 W
DRAINAGE AREA, 45.8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 470	JUL	1 310
FEB	6 890	AUG	2 310
MAR	4 040	SEP	831
APR	16 600	OCT	4 380
MAY	6 620	NOV	7 440
JUN	5 370	DEC	16 900

TOTAL DISCHARGE, 76 200 dam³

MCASKILL BROOK NEAR BIRCH GROVE - STATION NO. 01FJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.120B	0.670B	0.195B	0.193	0.302	1.07	0.162	0.066	0.004E	0.107	2.04	0.483	1
2	0.500B	0.570B	0.185B	0.190	0.285	0.702	0.120	0.832	0.003E	0.211	1.15	0.358	2
3	1.40 B	0.500B	0.178B	0.208	0.285	0.449	0.091	0.514	0.039	0.194	0.758	0.294	3
4	1.00 B	0.450B	0.172B	0.494	0.225	0.419	0.087	0.277	0.049	0.183	0.597	0.253	4
5	0.800B	0.390B	0.165B	5.08 E	0.192	1.17	0.077	0.180	0.026	0.161	0.485	2.82	5
6	0.700B	0.350B	0.160B	3.63	0.489	0.838	0.060	0.129	0.017	0.158	0.367	7.58 E	6
7	0.590B	0.320B	0.155B	2.89	1.21	0.551	0.050	0.086	0.014	0.133	1.38	3.32	7
8	0.520B	0.290B	0.150B	3.23	1.06	0.382	0.043	0.046	0.024	0.110	1.38	7.79	8
9	0.450B	0.260B	0.145B	1.81	0.786	0.296	0.038	0.027	0.021	0.096	0.955	7.35 E	9
10	0.400B	0.240B	0.140B	1.18	0.577	0.232	0.045	0.020	0.020	0.123	0.694	5.93 E	10
11	1.10 B	4.00 B	0.135B	2.96	0.445	0.194	0.043	0.017	0.181	0.111	0.977	2.58	11
12	0.900B	2.60 B	0.130B	5.87 E	0.393	0.150	0.035	0.015	0.100	0.093	1.14	1.31	12
13	0.700B	1.80 B	0.125B	2.77	0.329	0.118	0.031	0.014	0.056	0.089	0.764	0.799	13
14	0.560B	1.10 B	0.120B	1.46	0.361	0.098	0.026	0.013	0.034	0.109	0.562	0.608	14
15	0.400B	0.650B	0.115B	0.975	1.68	0.093	0.023	0.012	0.023	0.831	0.442	0.446	15
16	0.350B	0.460B	0.110B	1.19	1.57	0.081	0.020	0.010	0.023	0.608	0.362	0.964	16
17	0.300B	0.420B	0.105B	1.24	2.44	0.247	0.017	0.009	0.057	0.381	0.303	4.87 E	17
18	0.220B	0.380B	2.77	1.00	1.57	0.223	0.017	0.008	0.242	0.263	0.296	2.73	18
19	0.175B	0.350B	5.77 E	0.785	1.30	0.149	0.016	0.013	0.220	0.496	0.630	3.81	19
20	0.160B	0.320B	5.20 E	0.604	1.55	0.251	0.014	0.017	0.242	0.959	1.02	2.65	20
21	0.145B	0.310B	4.68 E	0.533	1.41	0.547	0.018	0.012	0.805	0.622	0.743	1.44	21
22	0.135B	0.290B	5.91 E	1.13	1.10	0.682	0.016	0.008	0.453	0.426	0.565	1.39	22
23	0.133B	0.280B	4.57 E	1.87	1.49	0.801	0.015	0.007	0.395	0.313	0.445	1.75	23
24	0.110B	0.265B	5.04 E	1.47	1.28	0.699	0.149	0.006	0.920	0.253	0.394	1.53	24
25	0.100B	0.250B	3.55	1.06	0.911	1.13	0.076	0.004E	0.643	0.438	0.484	1.67	25
26	0.400B	0.236B	0.822	0.833	0.641	0.756	0.045	0.004E	0.414	0.361	0.583	1.07	26
27	1.00 B	0.226B	0.581	0.634	0.454	0.434	0.039	0.004E	0.280	0.752	0.432	0.687	27
28	2.60 B	0.218B	0.478	0.514	0.340	0.291	0.029	0.004E	0.206	0.950	0.369	0.532	28
29	1.50 B		0.335	0.403	0.263	0.217	0.021	0.004E	0.154	0.817	0.364	0.340B	29
30	0.950B		0.283	0.333	1.96	0.182	0.016	0.005E	0.096	4.36 E	0.528	0.310B	30
31	0.770B		0.217		1.82		0.015	0.005E		3.94		0.280B	31
TOTAL	19.188	18.195	42.691	46.539	28.718	13.452	1.454	2.368	5.761	18.648	21.209	61.944	TOTAL
MEAN	0.619	0.650	1.38	1.55	0.926	0.448	0.047	0.076	0.192	0.602	0.707	2.00	MEAN
MAX	2.60	4.00	5.91	5.87	2.44	1.17	0.162	0.832	0.920	4.36	2.04	7.58	MAX
MIN	0.100	0.218	0.105	0.190	0.192	0.081	0.014	0.004	0.003	0.089	0.296	0.253	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.768
MAXIMUM DAILY, 7.58E ON DEC 06
MINIMUM DAILY, 0.003E ON SEP 02
MAXIMUM INSTANTANEOUS,
13.0E AT 15:29 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 06 59 N
LONG 060 00 26 W
DRAINAGE AREA, 17.2 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 660	JUL	126
FEB	1 570	AUG	205
MAR	3 690	SEP	498
APR	4 020	OCT	1 610
MAY	2 480	NOV	1 830
JUN	1 160	DEC	5 350

TOTAL DISCHARGE, 24 200 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 3.88 AND BELOW 0.006 IS DUE TO CURVE EXTENSION

MCINTOSH RUN AT HERRING COVE ROAD - STATION NO. 01EJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.604	1.00	0.935	---	---	---	---	---	---	---	---	---	1
2	0.396	0.889	0.882	---	---	---	---	---	---	---	---	---	2
3	0.408	0.811	0.845	---	---	---	---	---	---	---	---	---	3
4	0.409	0.754	0.760	---	---	---	---	---	---	---	---	---	4
5	0.450	0.702	0.686	---	---	---	---	---	---	---	---	---	5
6	0.422	0.619	0.620	---	---	---	---	---	---	---	---	---	6
7	0.400	0.575	0.547	---	---	---	---	---	---	---	---	---	7
8	0.383	0.501	0.478	---	---	---	---	---	---	---	---	---	8
9	0.354	0.477	0.418	---	---	---	---	---	---	---	---	---	9
10	0.562	1.46	0.389	---	---	---	---	---	---	---	---	---	10
11	0.588	1.92	0.355	---	---	---	---	---	---	---	---	---	11
12	0.694	1.60	0.349	---	---	---	---	---	---	---	---	---	12
13	0.690	1.50	0.331	---	---	---	---	---	---	---	---	---	13
14	0.632	1.44	---	---	---	---	---	---	---	---	---	---	14
15	0.576	1.34	---	---	---	---	---	---	---	---	---	---	15
16	0.537	1.29	---	---	---	---	---	---	---	---	---	---	16
17	0.484	1.31	---	---	---	---	---	---	---	---	---	---	17
18	0.464	1.21	---	---	---	---	---	---	---	---	---	---	18
19	0.427	1.14	---	---	---	---	---	---	---	---	---	---	19
20	0.392	1.03	---	---	---	---	---	---	---	---	---	---	20
21	0.352	0.953	---	---	---	---	---	---	---	---	---	---	21
22	0.326	0.901	---	---	---	---	---	---	---	---	---	---	22
23	0.303	1.26	---	---	---	---	---	---	---	---	---	---	23
24	0.300	1.31	---	---	---	---	---	---	---	---	---	---	24
25	0.405	1.25	---	---	---	---	---	---	---	---	---	---	25
26	0.834	1.18	---	---	---	---	---	---	---	---	---	---	26
27	1.25	1.11	---	---	---	---	---	---	---	---	---	---	27
28	1.16	1.03	---	---	---	---	---	---	---	---	---	---	28
29	1.09		---	---	---	---	---	---	---	---	---	---	29
30	1.10		---	---	---	---	---	---	---	---	---	---	30
31	1.08		---		---		---	---		---		---	31
TOTAL	18.072	30.562	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	0.583	1.09	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	1.25	1.92	---	---	---	---	---	---	---	---	---	---	MAX
MIN	0.300	0.477	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 36 31 N
LONG 063 37 01 W
DRAINAGE AREA, 15.1 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 560	JUL	---
FEB	2 640	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

MCINTOSH RUN AT OLD SAMBRO ROAD - STATION NO. 01EJ006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.976	1.39	0.918	0.456	0.266	0.064E	0.266	1.32	0.918	1
2	---	---	---	1.45	1.32	0.862	0.412	0.266	0.064	0.266	1.26	0.862	2
3	---	---	---	1.64	1.26	0.808	0.370	0.266	0.079	0.236	1.26	0.862	3
4	---	---	---	1.70	1.20	0.754	0.412	0.236	0.064	0.208	1.20	0.808	4
5	---	---	---	1.83	1.14	0.862	0.370	0.236	0.028E	0.236	1.14	0.808	5
6	---	---	---	1.83	1.20	0.808	0.334	0.208	0.028E	0.236	1.08	1.32	6
7	---	---	---	1.83	1.20	0.976	0.300	0.182	0.028E	0.236	1.03	1.39	7
8	---	---	---	1.76	1.20	0.976	0.266	0.182	0.028E	0.208	1.03	1.58	8
9	---	---	---	1.76	1.14	0.976	0.236	0.266	0.028E	0.208	1.03	1.96	9
10	---	---	---	1.70	1.08	0.918	0.236	0.266	0.020E	0.208	0.976	1.90	10
11	---	---	---	1.76	1.08	0.862	0.236	0.266	0.020E	0.182	0.976	1.76	11
12	---	---	---	1.96	1.08	0.862	0.182	0.300	0.020E	0.182	0.918	1.64	12
13	---	---	---	1.90	1.03	0.862	0.182	0.300	0.020E	0.208	0.862	1.58	13
14	---	---	---	1.83	1.03	0.808	0.158	0.300	0.028E	0.266	0.862	1.58	14
15	---	---	---	1.83	1.14	0.754	0.158	0.300	0.028E	0.236	0.808	1.51	15
16	---	---	---	1.90	1.08	0.754	0.134	0.266	0.038E	0.236	0.808	1.76	16
17	---	---	---	1.90	1.08	0.700	0.134	0.236	0.038E	0.208	0.754	1.76	17
18	---	---	---	1.96	1.14	0.596	0.079	0.208	0.038E	0.208	0.918	1.70	18
19	---	---	---	1.90	1.14	0.546	0.079	0.182	0.028E	0.266	1.45	1.76	19
20	---	---	---	1.76	1.14	0.456	0.079	0.182	0.114	0.500	1.45	1.83	20
21	---	---	---	1.76	1.14	0.370	0.079	0.158	0.050	0.456	1.45	1.76	21
22	---	---	---	1.83	1.08	0.412	0.064	0.158	0.050	0.456	1.39	1.76	22
23	---	---	---	1.83	1.08	0.370	0.064	0.134	0.236	0.412	1.39	1.76	23
24	---	---	---	1.76	1.14	0.456	0.079	0.114	0.236	0.456	1.26	1.76	24
25	---	---	---	1.70	1.14	0.412	0.096	0.114	0.300	0.862	1.14	1.70	25
26	---	---	---	1.64	1.08	0.412	0.096	0.114	0.266	0.976	1.14	1.70	26
27	---	---	---	1.58	1.08	0.370	0.158	0.096	0.266	1.08	0.976	1.70	27
28	---	---	---	1.58	1.03	0.370	0.158	0.096	0.266	1.08	0.918	1.70	28
29	---	---	---	1.51	1.03	0.334	0.134	0.079	0.236	1.26	0.918	1.64	29
30	---		---	1.45	0.976	0.412	0.134	0.079	0.236	1.39	0.976	1.58	30
31	---		---		0.918		0.134	0.079E		1.32		1.58	31
TOTAL	---	---	---	51.816	34.764	19.976	6.009	6.135	2.945	14.548	32.690	47.928	TOTAL
MEAN	---	---	---	1.73	1.12	0.666	0.194	0.198	0.098	0.469	1.09	1.55	MEAN
MAX	---	---	---	1.96	1.39	0.976	0.456	0.300	0.300	1.39	1.45	1.96	MAX
MIN	---	---	---	0.976	0.918	0.334	0.064	0.079	0.020	0.182	0.754	0.808	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 1.96 ON APR 12
MINIMUM DAILY, 0.020E ON SEP 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 36 48 N
LONG 063 37 23 W
DRAINAGE AREA, 13.9 km²

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	519
FEB	---	AUG	530
MAR	---	SEP	254
APR	4 480	OCT	1 260
MAY	3 000	NOV	2 820
JUN	1 730	DEC	4 140

REMARKS - THE E FOR DISCHARGE BELOW 0.050 IS DUE TO CURVE EXTENSION

NOVA SCOTIA

MEDWAY RIVER AT CHARLESTON - STATION NO. 01EE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	23.0B	50.5B	66.0B	58.5	65.6	79.3	44.4	17.4	6.15	3.97	15.4	68.9
2	21.5B	46.0B	63.0B	63.7	60.6	75.2	41.3	20.4	5.66	3.94	14.6	62.8
3	20.4B	43.0B	60.0B	65.8	56.0	71.3	38.6	20.3	5.66	3.92	14.9	57.9
4	19.6B	41.0B	58.0B	74.3	50.7	70.2	36.1	20.0	5.35	3.97	16.0	54.2
5	18.8B	39.0B	56.0B	100	46.8	71.6	33.5	19.6	5.01	3.81	17.1	69.9
6	18.2B	37.0B	53.0B	102	47.1	68.8	30.7	18.3	4.80	3.79	19.3	76.6
7	17.8B	36.0B	50.0B	104	44.8	65.4	28.1	17.4	4.60	3.78	28.1	74.1
8	17.7B	34.5B	46.0B	107	41.2	64.5	26.0	17.3	4.73	3.70	28.9	72.9
9	18.0B	33.0B	44.0B	108	38.1	60.7	24.7	17.4	4.68	3.69	29.1	108
10	20.0B	40.0B	41.5B	105	34.9	56.7	24.5	17.1	4.28	3.64	27.9	122
11	28.0B	90.0B	39.0B	116	33.3	57.3	23.4	16.5	4.15	3.66	32.6	120
12	36.0B	85.0B	37.0B	151	33.9	72.7	21.7	16.3	3.94	3.62	35.7	116
13	34.5B	80.0B	35.0B	161	32.4	69.0	20.3	16.5	3.66	3.60	34.5	112
14	32.5B	76.0B	34.5B	161	38.5	61.7	18.9	15.5	3.55	3.69	33.3	108
15	31.0B	72.0B	33.5B	161	52.3	55.5	17.7	14.9	3.59	3.80	32.2	99.0
16	29.0B	68.0B	33.0B	168	51.2	50.9	16.4	14.4	3.64	3.72	31.2	99.5
17	27.5B	64.0B	34.0B	168	48.4	47.3	15.3	13.7	3.63	3.61	30.2	107
18	26.5B	61.0B	38.0B	172	50.6	43.7	14.3	13.0	3.52	3.39	32.9	106
19	25.5B	58.5B	44.0B	168	57.3	39.7	13.6	12.4	3.38	3.43	72.4	111
20	24.5B	56.0B	42.5B	158	57.2	37.5	12.7	11.6	3.48	3.25	90.7	114
21	23.5B	54.5B	48.0B	147	55.0	40.0	12.4	10.7	3.55	3.44	87.7	113
22	22.0B	51.8B	56.5B	142	53.3	39.5	11.8	10.3	3.46	3.20	86.1	111
23	21.5B	62.0B	62.0B	134	57.0	37.1	11.7	9.94	3.71	3.08	86.7	111
24	21.0B	84.0B	67.0B	123	63.5	37.5	11.6	9.81	4.47	3.50	91.8	112
25	21.7B	82.0B	70.0	109	68.6	39.1	11.2	9.28	4.60	4.61	96.1	112
26	30.0B	78.0B	68.6	98.5	67.2	40.9	11.1	8.66	4.47	5.41	95.0	109
27	51.0B	74.0B	67.4	89.8	64.5	42.0	11.7	8.13	4.28	7.17	88.2	105
28	48.0B	70.0B	63.7	83.4	62.7	41.7	12.0	7.59	4.23	8.27	80.4	98.7
29	42.0B		60.5	77.1	59.6	40.6	12.2	7.20	4.15	8.94	75.6	93.0
30	44.0B		55.9	71.2	71.3	43.4	13.2	6.75	4.03	15.4	73.8	87.2
31	49.5B		53.4		83.3		14.5	6.47		16.2		85.6
TOTAL	864.2	1 666.8	1 581.0	3 547.3	1 646.9	1 620.8	635.6	424.83	128.41	153.20	1 498.4	2 997.3
MEAN	27.9	59.5	51.0	118	53.1	54.0	20.5	13.7	4.28	4.94	49.9	96.7
MAX	51.0	90.0	70.0	172	83.3	79.3	44.4	20.4	6.15	16.2	96.1	122
MIN	17.7	33.0	33.0	58.5	32.4	37.1	11.1	6.47	3.38	3.08	14.6	54.2

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 45.9
MAXIMUM DAILY, 172 ON APR 18
MINIMUM DAILY, 3.08 ON OCT 23
MAXIMUM INSTANTANEOUS,
174 AT 16:33 AST ON APR 18

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 10 24 N
LONG 064 39 36 W
DRAINAGE AREA, 1 390 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	74 700	JUL	54 900
FEB	144 000	AUG	36 700
MAR	137 000	SEP	11 100
APR	306 000	OCT	13 200
MAY	142 000	NOV	129 000
JUN	140 000	DEC	259 000

TOTAL DISCHARGE, 1 450 000 dam³

MERSEY RIVER BELOW GEORGE LAKE - STATION NO. 01ED005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11.4	39.8	43.3	31.5	35.4	33.7	17.1	13.5	3.89	2.59	6.62	39.9
2	12.1	40.5	42.0	30.9	33.1	35.4	16.7	14.4	3.70	5.57	7.13	37.6
3	12.5	40.2	40.2	30.1	30.6	36.0	15.8	14.5	3.51	5.63	7.86	35.1
4	13.0	38.9	38.4	31.5	27.8	36.8	15.2	14.6	3.28	5.33	8.53	32.0
5	13.5	36.9	36.6	37.3	25.7	37.4	14.7	14.3	3.09	2.37	9.47	34.2
6	14.0	34.8	34.6	43.2	25.2	36.6	13.8	14.0	2.93	2.39	9.82	35.2
7	14.3	32.9	32.6	48.8	22.9	35.7	13.0	13.6	2.76	2.41	11.7	35.5
8	14.5	31.3	30.7	51.7	21.8	34.5	12.3	13.1	3.27	2.36	12.5	36.2
9	14.7	29.6	28.7	52.6	20.0	32.8	11.3	12.6	4.77	2.33	13.2	41.3
10	15.3	29.1	26.8	52.2	19.0	31.0	10.9	12.1	2.73	2.38	13.0	44.4
11	16.5	33.0	25.2	54.6	18.5	30.0	10.5	11.4	2.66	2.32	13.9	48.2
12	17.2	37.2	23.8	61.9	19.0	29.9	9.74	11.2	2.60	2.31	14.9	49.0
13	18.0	41.2	22.6	68.5	17.9	28.8	9.12	11.1	2.54	2.35	15.4	49.1
14	18.5	44.0	21.4	72.5	18.9	27.7	8.44	10.2	2.38	2.33	15.5	50.0
15	18.5	44.9	20.8	74.4	20.0	26.3	7.93	10.1	2.21	2.39	15.1	47.2
16	18.6	45.4	20.6	77.3	20.5	25.0	7.40	9.41	2.35	2.41	15.1	47.5
17	18.7	45.3	20.6	75.6	20.8	23.7	7.22	8.85	2.23	2.31	15.1	49.4
18	18.5	44.0	21.7	76.6	21.2	22.1	6.58	8.44	2.23	2.21	16.4	48.9
19	18.3	42.0	22.9	75.6	22.2	20.6	6.38	8.19	2.06	2.20	21.6	52.7
20	18.2	39.7	26.4	73.1	23.0	19.6	5.96	7.54	2.07	2.41	28.6	55.1
21	18.1	36.7	29.5	70.6	22.9	19.6	5.77	7.03	2.08	2.16	35.1	56.3
22	17.9	34.1	31.9	67.8	23.0	19.8	5.57	6.63	1.91	2.09	40.4	58.2
23	17.6	35.1	34.0	65.1	24.0	19.4	5.36	6.25	2.12	2.12	44.4	59.9
24	17.3	38.9	36.8	61.5	25.5	19.1	5.64	5.95	2.47	2.24	47.2	61.4
25	17.6	42.0	37.3	57.5	26.7	19.1	5.80	5.64	2.53	2.76	49.2	63.3
26	18.8	43.3	37.6	53.5	27.4	19.0	7.55	5.36	2.53	2.86	50.3	62.8
27	22.1	44.0	38.4	49.6	27.8	18.4	9.05	5.03	2.53	3.61	48.2	62.3
28	26.4	43.9	36.8	45.8	28.1	18.1	10.2	4.90	2.61	3.55	46.2	59.4
29	30.9		35.1	42.1	27.2	17.8	11.2	4.75	2.68	4.27	44.2	56.8
30	35.6		33.6	38.5	30.2	17.5	12.0	4.45	2.58	5.33	42.1	54.5
31	38.7		32.1		32.0		12.5	4.23		5.91		53.3
TOTAL	577.3	1 088.9	964.0	1 671.9	758.3	791.4	310.61	293.35	79.30	84.40	718.73	1 516.7
MEAN	18.6	38.9	31.1	55.7	24.5	26.4	10.0	9.46	2.64	2.72	24.0	48.9
MAX	38.7	45.4	43.3	77.3	35.4	37.4	17.1	14.6	3.89	5.91	50.3	63.3
MIN	11.4	29.1	20.6	30.1	17.9	17.5	5.36	4.23	1.91	2.09	6.62	32.0

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 24.2
MAXIMUM DAILY, 77.3 ON APR 16
MINIMUM DAILY, 1.91 ON SEP 22
MAXIMUM INSTANTANEOUS,
77.8 AT 12:25 AST ON APR 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 20 00 N
LONG 065 12 16 W
DRAINAGE AREA, 723 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	49 900	JUL	26 800
FEB	94 100	AUG	25 300
MAR	83 300	SEP	6 850
APR	144 000	OCT	7 290
MAY	65 500	NOV	62 100
JUN	68 400	DEC	131 000

TOTAL DISCHARGE, 765 000 dam³

NOVA SCOTIA

MERSEY RIVER BELOW MILL FALLS - STATION NO. 01ED007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.10B	17.2 B	17.4 B	10.7	8.62	17.3	8.15	6.02	1.13	1.05	4.89	12.4	1
2	4.50B	15.3 B	16.4	10.3	7.86	18.2	7.33	6.38	1.07	0.986	5.67	11.2	2
3	5.00B	13.9 B	14.6	9.91	7.36	18.8	6.51	6.19	0.985	1.01	6.59	10.2	3
4	5.40B	12.6 B	13.1	15.0	6.76	18.9	5.84	5.63	0.989	0.935	7.26	9.22	4
5	6.10B	11.5 B	11.6	24.2	6.20	18.2	5.52	5.17	0.840	1.02	7.54	13.6	5
6	7.25B	10.4 B	10.4 B	23.6	6.30	16.7	5.13	4.78	0.716	1.06	7.77	14.8	6
7	6.95B	9.70B	9.60B	27.6	6.28	14.8	4.69	4.48	0.799	1.07	8.89	14.2	7
8	6.57B	8.80B	8.90B	28.5	5.81	13.1	4.36	4.21	1.11	1.05	8.91	15.2	8
9	6.25B	8.15B	7.80	26.0	5.52	11.7	3.98	4.04	1.08	1.04	8.41	22.1	9
10	6.00B	9.20B	7.29	23.1	5.15	10.4	3.82	3.79	1.02	1.02	7.82	24.3	10
11	6.40B	11.3 B	6.81	27.8	5.52	9.58	3.73	3.66	0.964	0.946	7.54	24.5	11
12	6.90B	14.8 B	6.34	35.5	6.44	10.2	3.64	3.52	0.932	0.950	7.88	24.6	12
13	8.35	19.0 B	5.95	40.1	6.01	9.25	3.45	3.78	0.925	0.991	7.90	23.2	13
14	9.06	21.7 B	5.65	42.2	6.83	8.21	3.29	3.79	0.972	1.08	7.47	21.0	14
15	12.4	18.5 B	5.91	37.1	8.39	7.67	3.00	3.54	0.741	1.09	6.93	18.8	15
16	9.25	16.0 B	6.33	35.5	8.12	7.00	2.83	3.25	0.734	1.16	6.75	18.9	16
17	7.39	14.8 B	6.81	31.6	7.72	6.45	2.68	3.01	0.725	1.11	6.52	21.4	17
18	6.89	13.2 B	6.54	26.3	8.23	6.04	2.51	2.82	0.801	1.11	8.19	20.5	18
19	6.60B	11.9 B	12.2	22.8	9.47	5.46	2.26	2.62	0.729	1.09	17.4	24.6	19
20	6.30B	10.9 B	13.0	27.5	9.86	5.26	2.16	2.43	0.713	1.10	20.7	28.1	20
21	6.05B	10.0 B	16.7	25.7	9.75	5.74	2.07	2.37	0.730	1.05	21.3	28.8	21
22	5.90B	9.60B	20.5	24.9	9.92	7.42	1.97	2.13	0.748	1.04	24.9	29.4	22
23	5.80B	10.8 B	21.2	22.6	11.4	6.61	1.94	1.96	1.08	1.08	26.1	29.7	23
24	5.67B	13.2 B	21.2	20.0	12.7	6.63	2.30	1.87	1.59	1.26	25.5	29.8	24
25	5.90B	17.0 B	20.1	17.8	13.5	7.68	2.69	1.75	1.70	1.65	23.7	30.0	25
26	7.20B	20.7 B	18.9	15.7	13.0	8.76	5.79	1.65	1.52	1.84	21.2	28.5	26
27	10.0 B	19.7 B	17.3	14.0	12.5	8.80	7.60	1.59	1.28	2.46	18.9	26.8	27
28	13.8 B	18.4 B	15.8	12.3	12.1	8.77	6.40	1.52	1.16	2.83	16.8	24.9	28
29	16.2 B		14.0	10.8	11.5	8.38	6.54	1.40	1.09	3.02	15.2	22.0	29
30	18.9 B		12.4	9.58	13.9	8.33	6.45	1.32	1.09	4.23	13.9	19.9	30
31	19.9 B		11.2		17.6		6.03	1.20		4.67		19.5	31
TOTAL	252.98	388.25	384.93	710.69	280.32	310.04	134.66	101.87	29.663	45.998	378.53	662.12	TOTAL
MEAN	8.16	13.9	12.4	23.7	9.04	10.3	4.34	3.29	0.989	1.48	12.6	21.4	MEAN
MAX	19.9	21.7	21.2	42.2	17.6	18.9	8.15	6.38	1.70	4.67	26.1	30.0	MAX
MIN	4.10	8.15	5.65	9.58	5.15	5.26	1.94	1.20	0.713	0.935	4.89	9.22	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10.1
MAXIMUM DAILY, 42.2 ON APR 14
MINIMUM DAILY, 0.713 ON SEP 20
MAXIMUM INSTANTANEOUS,
43.5 AT 07:16 AST ON APR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 26 14 N
LONG 065 13 24 W
DRAINAGE AREA, 295 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 900	JUL	11 600
FEB	33 500	AUG	8 800
MAR	33 300	SEP	2 560
APR	61 400	OCT	3 970
MAY	24 200	NOV	32 700
JUN	26 800	DEC	57 200

TOTAL DISCHARGE, 318 000 dam³

METEGHAN RIVER NEAR METEGHAN RIVER - STATION NO. 01DA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.49B	9.84	6.01B	3.57	5.46	12.7	1.72	1.47	0.476	0.370	2.27	5.81	1
2	3.12B	9.41	5.82	3.50	4.96	11.9	1.67	1.41	0.480	0.389	2.34	5.20	2
3	4.01	8.75	5.55	3.48	4.64	10.5	1.55	1.37	0.460	0.377	2.48	4.81	3
4	4.35	7.73B	5.34	3.99	3.63	9.84	1.49	1.30	0.439	0.404	2.48	4.92	4
5	4.57	7.17B	5.13	4.67	3.69	9.51	1.33	1.33	0.470	0.417	2.55	8.25	5
6	4.79	6.41B	4.86	4.87	3.24	8.60	1.20	1.28	0.469	0.413	2.75	9.50	6
7	4.99	5.86	4.52	5.06	2.98	7.91	1.12	1.10	0.505	0.399	3.04	9.90	7
8	4.98	5.29	4.18	5.15	2.70	7.20	1.13	1.15	0.443	0.434	3.17	10.2	8
9	4.87	4.98	3.94	5.08	2.55	6.75	1.20	1.09	0.411	0.423	3.13	13.6	9
10	5.06	7.58	3.75	4.94	2.44	5.75	1.26	1.02	0.367	0.390	3.14	14.4	10
11	5.73	13.4	3.56	7.95	2.50	7.51	1.16	1.01	0.377	0.409	3.41	14.3	11
12	5.82	15.7	3.39	11.1	2.73	11.2	1.12	0.959	0.356	0.430	3.51	13.4	12
13	5.98	18.9	3.29	12.4	2.75	10.7	1.14	0.895	0.354	0.419	3.42	12.1	13
14	5.67	17.2	3.21	12.5	4.50	9.99	1.09	0.821	0.344	0.460	3.31	10.9	14
15	5.37	14.6	3.13	11.7	5.37	8.84	1.06	0.788	0.361	0.427	3.16	9.70	15
16	5.15	12.8	3.17	14.2	5.68	7.71	1.01	0.772	0.368	0.446	3.02	11.3	16
17	4.93	11.3	3.30	14.3	5.78	6.73	1.06	0.691	0.345	0.407	2.89	12.2	17
18	4.73	9.78B	3.72	17.6	6.53	5.73	0.965	0.626	0.336	0.398	3.25	12.7	18
19	4.56	8.44	4.81	17.6	6.71	5.06	1.01	0.596	0.329	0.458	5.54	14.1	19
20	4.39	7.37B	5.22	16.6	6.73	4.60	0.947	0.566	0.321	0.419	8.06	14.2	20
21	4.22	6.38B	5.63	15.9	6.76	4.07	0.880	0.641	0.334	0.471	9.35	13.8	21
22	4.03	5.65	5.99	16.1	6.45	3.56	0.587	0.669	0.327	0.453	9.59	13.1	22
23	3.85	6.33	5.76	14.8	6.53	3.41	0.557	0.655	0.472	0.397	9.56	12.4	23
24	3.74	7.27	5.60	13.1	7.58	3.14	0.592	0.613	0.466	0.557	9.40	12.4	24
25	3.98	7.08B	5.35	11.4	7.52	2.87	0.717	0.503	0.404	0.536	9.27	12.6	25
26	5.32	6.98B	5.14	9.99	7.16	2.44	1.29	0.466	0.353	0.540	8.82	11.7	26
27	7.84	6.92B	4.82	8.81	6.69	2.18	1.35	0.554	0.334	0.754	8.29	10.8	27
28	8.92	6.53	4.48	7.72	6.19	1.94	1.50	0.519	0.334	0.768	7.66	9.38	28
29	9.40		4.13	6.83	5.84	1.73	1.52	0.552	0.381	1.14	7.05	8.19	29
30	10.3		3.77	6.04	10.7	1.71	1.44	0.560	0.371	1.64	6.46	7.87	30
31	10.2		3.60		12.7		1.42	0.506		1.99		8.61	31
TOTAL	167.36	255.65	140.17	290.95	169.49	195.28	36.185	26.482	11.787	17.535	152.37	332.34	TOTAL
MEAN	5.40	9.13	4.52	9.70	5.47	6.51	1.17	0.854	0.393	0.566	5.08	10.7	MEAN
MAX	10.3	18.9	6.01	17.6	12.7	12.7	1.72	1.47	0.505	1.99	9.59	14.4	MAX
MIN	2.49	4.98	3.13	3.48	2.44	1.71	0.557	0.466	0.321	0.370	2.27	4.81	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.92
MAXIMUM DAILY, 18.9 ON FEB 13
MINIMUM DAILY, 0.321 ON SEP 20
MAXIMUM INSTANTANEOUS,
19.2 AT 13:37 AST ON FEB 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 12 58 N
LONG 066 07 02 W
DRAINAGE AREA, 167 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 500	JUL	3 130
FEB	22 100	AUG	2 290
MAR	12 100	SEP	1 020
APR	25 100	OCT	1 520
MAY	14 600	NOV	13 200
JUN	16 900	DEC	28 700

TOTAL DISCHARGE, 155 000 dam³

NOVA SCOTIA

MIDDLE RIVER OF PICTOU AT ROCKLIN - STATION NO. 01DP004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.390B	2.20B	1.50 B	1.67	2.10	1.28	0.408	1.79	0.050	0.286	6.09	2.42	1
2	0.750B	2.02B	1.38 B	2.21	2.91	2.46	0.319	8.90	0.052	0.406	4.26	1.99	2
3	1.05 B	1.85B	1.24 B	4.67	1.73	2.01	0.281	2.89	0.557	0.739	3.34	1.73	3
4	0.960B	1.72B	1.12 B	18.6	1.58	2.44	0.298	1.34	0.317	0.527	2.60	1.65	4
5	0.800B	1.58B	1.00 B	15.3	1.50	2.23	0.270	0.751	0.189	0.613	2.13	16.9	5
6	0.690B	1.50B	0.900B	7.87	4.02	1.59	0.223	0.504	0.126	0.603	1.94	10.6	6
7	0.590B	1.43B	0.830B	6.09	3.55	1.41	0.213	0.393	0.093	0.425	4.78	5.68	7
8	0.560B	1.36B	0.740B	4.95	2.67	1.30	0.204	0.330	0.337	0.315	3.46	6.61	8
9	0.480B	1.28B	0.700B	4.19	1.95	1.12	0.201	0.296	0.268	0.314	2.51	50.3 E	9
10	0.460B	5.40B	0.660B	3.87	1.83	0.953	0.214	0.353	0.172	0.423	2.21	13.5	10
11	2.40 B	24.2 B	0.880B	31.7	2.21	0.879	0.175	0.285	0.219	0.473	4.69	7.11	11
12	2.20 B	7.89B	0.770B	26.3	2.64	0.775	0.168	0.277	0.151	0.402	4.08	4.74	12
13	1.95 B	5.25B	0.720B	8.90	1.79	0.680	0.160	0.268	0.114	0.364	2.72	4.19	13
14	1.70 B	4.00	0.664B	6.00	5.59	0.612	0.129	0.258	0.104	0.373	2.15	2.97	14
15	1.50 B	3.34	0.630B	4.54	7.29	0.569	0.115	0.243	0.101	0.411	1.89	2.15	15
16	1.38 B	2.35B	0.600B	8.94	4.98	0.523	0.114	0.181	0.107	0.392	2.21	6.98	16
17	1.25 B	1.80B	2.95 B	6.38	3.82	0.462	0.112	0.163	0.105	0.339	1.64	9.01	17
18	1.32 B	1.60B	10.6 B	11.3	3.56	0.431	0.102	0.127	0.116	0.285	7.35	5.24	18
19	2.00 B	1.37B	10.2 B	6.34	3.48	0.397	0.101	0.259	0.107	1.77	19.2	13.5	19
20	1.70 B	1.20B	5.67 B	4.65	2.91	0.388	0.093	0.264	0.310	2.61	16.6	6.93	20
21	1.50 B	1.08B	10.7 B	4.86	2.66	0.700	0.107	0.192	0.896	1.22	7.92	4.47	21
22	1.30 B	2.00B	10.0 B	10.2	2.59	3.06	0.112	0.167	0.470	0.844	5.55	6.49	22
23	1.15 B	3.90B	7.12 B	9.72	16.9	1.76	0.141	0.121	0.879	0.734	4.33	6.20	23
24	0.930B	3.40B	5.00 B	6.36	13.0	1.22	0.206	0.111	1.58	0.787	3.91	10.8	24
25	5.00 B	3.00B	3.60 B	4.68	6.94	1.03	0.149	0.087	0.707	2.59	4.43	8.24	25
26	11.0 B	2.50B	2.85 B	4.07	4.81	0.636	0.219	0.071	0.478	1.70	3.50	4.95	26
27	24.0 B	2.00B	2.40 B	3.44	3.62	0.487	0.320	0.063	0.351	6.78	2.83	2.84	27
28	10.1	1.75B	1.90 B	3.87	2.88	0.427	1.13	0.057	0.289	4.81	2.73	2.10	28
29	5.83		1.80 B	5.95	2.29	0.349	1.69	0.104	0.241	5.21	2.45	2.52	29
30	3.24		1.73 B	2.48	2.07	0.423	0.578	0.078	0.254	35.1	3.36	2.42	30
31	2.60 B		1.70		5.58		0.341	0.059		11.4		2.50	31
TOTAL	90.800	92.97	92.554	238.10	127.55	34.601	8.893	20.984	9.740	83.445	136.86	227.73	TOTAL
MEAN	2.93	3.32	2.99	7.94	4.11	1.15	0.287	0.677	0.325	2.69	4.56	7.35	MEAN
MAX	24.0	24.2	10.7	31.7	16.9	3.28	1.69	8.90	1.58	35.3	19.2	50.3	MAX
MIN	0.390	1.08	0.600	1.67	1.50	0.349	0.093	0.057	0.050	0.285	1.64	1.65	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.19
MAXIMUM DAILY, 50.3E ON DEC 09
MINIMUM DAILY, 0.050 ON SEP 01
MAXIMUM INSTANTANEOUS,
78.4E AT 07:23 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 29 50 N
LONG 062 46 51 W
DRAINAGE AREA, 92.2 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 850	JUL	768
FEB	8 010	AUG	1 810
MAR	9 000	SEP	842
APR	20 600	OCT	7 210
MAY	11 000	NOV	11 800
JUN	2 990	DEC	19 700

TOTAL DISCHARGE, 101 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 48.6 IS DUE TO CURVE EXTENSION

MOOSE PIT BROOK AT TUPPER LAKE - STATION NO. 01EE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.315B	0.590	0.550B	0.430	0.347E	1.20	0.412	1.12 E	0.014E	0.113	0.755	0.433	1
2	0.770B	0.500B	0.485B	0.617	0.309A	0.930	0.354	0.999E	0.013E	0.109	0.579	0.382	2
3	0.670B	0.440B	0.390B	0.766	0.284	0.662	0.283	0.760E	0.012E	0.106	0.471	0.343	3
4	0.565B	0.385B	0.360B	2.00	0.253	0.614	0.233	0.610E	0.011E	0.092	0.389	0.377	4
5	0.480B	0.352B	0.328B	3.48	0.250	0.630	0.204	0.503E	0.020E	0.099	0.315	1.27	5
6	0.428B	0.320B	0.300B	2.22	0.332	0.528	0.172	0.434E	0.032E	0.103	0.313	1.41	6
7	0.370B	0.300	0.275B	1.58	0.337	0.447	0.148	0.360E	0.028E	0.096	0.467	1.28	7
8	0.330B	0.297	0.250B	1.16	0.300	0.396	0.114	0.310E	0.022E	0.087	0.455	1.15	8
9	0.314	0.302	0.238B	0.978	0.276	0.331	0.100	0.265A	0.019E	0.080	0.405	2.20	9
10	0.362	0.846	0.227B	0.823	0.251	0.295	0.145	0.226E	0.017E	0.077	0.347	2.20	10
11	0.630	1.90 B	0.214B	2.41	0.302	0.335	0.130	0.200E	0.015E	0.075	0.379	1.71	11
12	0.594	1.53 B	0.200B	4.04	0.404	0.658	0.102	0.170E	0.013E	0.073	0.387	1.27	12
13	0.523	1.20 B	0.190B	2.51	0.351	0.565	0.081	0.146E	0.012E	0.076	0.350	1.01	13
14	0.455	0.880B	0.182B	1.64	0.650	0.433	0.068A	0.123E	0.011E	0.100	0.313	0.810	14
15	0.391	0.700B	0.174B	1.29	1.01	0.366	0.052E	0.104E	0.016E	0.114	0.278	0.625	15
16	0.346	0.555	0.240B	2.05	0.877	0.300	0.041E	0.089E	0.014E	0.112	0.266	0.980	16
17	0.300	0.486	0.360B	2.15	0.697	0.259	0.032A	0.074E	0.012E	0.105	0.261	1.55	17
18	0.311	0.370B	0.670B	2.38	0.737	0.227	0.027E	0.063E	0.010E	0.098	0.590	1.55	18
19	0.370	0.343B	1.27 B	2.00	0.770	0.183	0.022E	0.055E	0.009E	0.090	2.70	1.93	19
20	0.309	0.300B	1.13 B	1.60	0.647	0.189	0.020E	0.047E	0.017A	0.084	3.11	1.85	20
21	0.270	0.262B	0.910B	1.32	0.545	0.341	0.023E	0.039E	0.095	0.073	2.34	1.47	21
22	0.228	0.240B	0.790B	1.32	0.544	1.10	0.025E	0.034E	0.083	0.068	1.74	1.23	22
23	0.208B	0.500B	0.690B	1.19	0.825	1.41	0.036E	0.029E	0.226	0.068	1.35	1.21	23
24	0.199B	1.62 B	0.580B	0.968	1.10	1.31	0.060E	0.025E	0.464	0.134	1.08	1.44	24
25	0.219B	1.30 B	0.517B	0.777A	1.28	1.07	0.110E	0.023E	0.388	0.320	0.899	1.61	25
26	0.460B	1.04 B	0.470B	0.680E	1.10	0.761	0.200E	0.021E	0.302	0.334	0.741	1.32	26
27	1.54 B	0.850B	0.420B	0.590E	0.876	0.540	0.380E	0.019E	0.241	0.548	0.612	1.06	27
28	1.12 B	0.700B	0.377B	0.508E	0.639	0.417	0.700E	0.018E	0.197	0.560	0.531	0.773	28
29	0.890B		0.342B	0.454E	0.494	0.311	1.32 E	0.017E	0.164	0.654	0.495	0.613	29
30	0.825		0.320B	0.400E	0.960	0.375	2.03 E	0.016E	0.132	1.01	0.477	0.593	30
31	0.718		0.300		1.36		1.82 E	0.015E		0.904		0.831	31
TOTAL	15.510	19.108	13.749	44.331	19.107	17.183	9.444	6.914	2.609	6.562	23.395	36.488	TOTAL
MEAN	0.500	0.682	0.444	1.48	0.616	0.573	0.305	0.223	0.087	0.212	0.780	1.18	MEAN
MAX	1.54	1.90	1.27	4.04	1.36	1.41	2.03	1.12	0.464	1.01	3.11	2.20	MAX
MIN	0.199	0.240	0.174	0.400	0.250	0.183	0.020	0.015	0.009	0.068	0.261	0.343	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.587
MAXIMUM DAILY, 4.04 ON APR 12
MINIMUM DAILY, 0.009E ON SEP 19
MAXIMUM INSTANTANEOUS,
4.43 AT 00:19 AST ON APR 12

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 27 43 N
LONG 065 02 55 W
DRAINAGE AREA, 17.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 340	JUL	816
FEB	1 650	AUG	597
MAR	1 190	SEP	225
APR	3 830	OCT	567
MAY	1 650	NOV	2 020
JUN	1 480	DEC	3 150

TOTAL DISCHARGE, 18 500 dam³

NOVA SCOTIA

MUSQUODOBOIT RIVER AT CRAWFORD FALLS - STATION NO. 01EK001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.65	32.1B	13.0	13.6	18.4	31.7	8.63	3.01	0.931	3.22	82.0	29.4	1
2	10.2	25.1B	11.1 B	26.0	22.9	23.9	7.55	26.1	0.820	4.01	67.3	24.2	2
3	12.3	19.1B	10.4 B	86.9	16.4	19.1	6.17	19.7	0.786	5.49	43.9	20.5	3
4	11.0	14.8B	9.59B	73.0	14.8	17.1	5.19	27.6	0.732	5.49	30.5	18.2	4
5	10.0 B	12.9	8.95B	101	13.3	18.9	4.60	16.1	0.712	5.10	23.9	52.2	5
6	9.16B	12.3	8.72	119	20.2	17.1	4.11	11.0	0.653	5.24	20.3	90.8	6
7	8.43B	11.8	7.61	114	27.0	14.5	3.57	8.50	0.612	5.21	26.1	106	7
8	7.69B	11.5	6.72	95.9	23.0	12.8	3.18	7.45	0.663	4.42	29.2	102	8
9	7.06B	10.9	6.23	71.1	18.9	11.5	2.91	6.99	0.593	3.76	24.1	119	9
10	7.18	17.1	5.78	50.6	16.6	10.2	2.70	6.40	0.566	3.62	20.1	140	10
11	18.5	52.1	5.56	49.3	15.3	9.23	2.52	5.48	0.577	3.55	21.5	152	11
12	25.8	62.1B	5.72	82.5	18.6	9.04	2.31	4.81	0.551	3.49	32.4	139	12
13	23.4	57.7B	7.27	100	18.5	8.28	2.15	4.30	0.542	3.28	29.5	112	13
14	19.1	48.6B	8.27	95.6	19.2	7.05	1.88	3.79	0.448	3.77	23.4	76.6	14
15	15.3	34.3B	7.91	75.2	44.3	5.99	1.68	3.37	0.446	8.01	19.5	42.4	15
16	12.5	24.3B	6.92	57.6	54.1	5.27	1.54	2.96	0.530	10.1	17.1	37.3	16
17	10.7	19.3	7.23	68.5	46.3	4.67	1.43	2.60	0.549	8.30	15.5	63.3	17
18	9.33B	16.3	21.4	76.4	34.6	4.20	1.28	2.31	0.536	6.70	19.5	77.5	18
19	8.85B	13.8	38.1	77.3	32.8	3.73	1.17	2.11	0.502	8.06	67.5	79.8	19
20	8.36B	12.9	42.0	67.0	30.7	3.39	1.08	1.98	0.773	27.6	101	71.7	20
21	8.01B	10.3	43.4	48.2	25.9	16.0	1.06	1.75	1.93	27.4	108	56.3	21
22	7.52B	10.0	55.7	49.4	22.0	37.3	1.06	1.62	3.37	19.2	99.4	41.0	22
23	6.41	15.9	60.2 B	70.4	29.0	48.0	1.19	1.45	3.45	15.2	79.4	42.5	23
24	5.83	32.9	53.1 B	78.2	49.1	45.8	1.49	1.28	6.14	14.4	53.9	49.1	24
25	5.77	31.2B	41.5 B	67.6	58.9	31.8	1.70	1.18	8.73	30.8	40.2	53.2	25
26	11.3	21.8B	32.0	48.0	48.5	22.2	1.90	1.08	6.93	38.4	34.9	51.1	26
27	40.1	16.9B	24.9	34.0	33.7	16.0	1.97	0.961	5.41	36.2	29.5	40.4	27
28	50.9 B	15.6B	18.8 B	26.9	24.8	12.3	2.20	0.899	4.47	41.4	25.1	25.8	28
29	51.5 B		16.0 B	22.9	20.1	10.3	2.11	0.894	3.83	36.9	23.0	20.8	29
30	47.7 B		13.8 B	20.3	20.4	9.08	1.90	1.07	3.37	55.3	26.4	18.0B	30
31	39.9 B		13.6		32.2		1.61	1.03		76.0		16.5B	31
TOTAL	514.45	663.6	611.58	1 938.4	864.8	486.43	83.84	199.774	60.154	519.62	1 234.1	1 970.6	TOTAL
MEAN	16.6	23.7	19.7	64.6	27.9	16.2	2.70	6.44	2.01	16.8	41.1	63.6	MEAN
MAX	51.5	62.1	60.2	119	58.9	48.0	8.63	39.7	8.73	76.0	108	152	MAX
MIN	4.65	10.0	5.56	13.6	13.3	3.39	1.06	0.894	0.446	3.22	15.5	16.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 25.1
MAXIMUM DAILY, 152 ON DEC 11
MINIMUM DAILY, 0.446 ON SEP 15
MAXIMUM INSTANTANEOUS,
153 AT 14:31 AST ON DEC 11

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 52 18 N
LONG 063 13 18 W
DRAINAGE AREA, 650 km²

B - ICE CONDITIONS

REGULATED SINCE 1968

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	44 400	JUL	7 240
FEB	57 300	AUG	17 300
MAR	52 800	SEP	5 200
APR	167 000	OCT	44 900
MAY	74 700	NOV	107 000
JUN	42 000	DEC	170 000

TOTAL DISCHARGE, 790 000 dam³

NORTH RIVER AT NORTH RIVER - STATION NO. 01DH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.30B	5.00B	3.10B	3.00	3.16	12.7	0.886	2.15	0.179	0.537	10.0 E	5.04	1
2	5.20B	4.60B	2.90B	7.70	3.31	8.15	0.629	12.6	0.165	0.684	7.70E	4.17	2
3	4.50B	4.20B	2.72B	17.3	3.08	5.99	0.519	5.46	0.403	1.45	6.25E	3.60	3
4	3.85B	4.00B	2.52B	65.3	2.53	6.63	0.490	2.53	0.388	1.82	5.20E	3.32	4
5	3.50B	3.81B	2.40B	41.3	2.40	6.15	0.467	1.34	0.270	1.58	5.00E	55.4	5
6	3.20B	3.60B	2.25B	17.7	5.93	4.43	0.443	0.852	0.222	1.41	11.7 E	26.8	6
7	3.00B	3.40B	2.12B	12.2	6.69	3.69	0.395	0.664	0.214	1.01	8.00E	11.7	7
8	2.85B	3.20B	2.05B	8.75	5.35	3.25	0.405	0.555	0.899	0.813	6.25E	13.3	8
9	2.75B	3.10B	1.90B	6.85	4.12	2.82	0.380	0.547	0.549	0.690	5.30E	107	9
10	2.70B	14.0 B	1.82B	5.84	3.42	2.36	0.430	0.508	0.359	1.08 A	9.30E	23.5	10
11	7.50B	43.0 B	1.75B	86.5	3.78	1.98	0.389	0.481	0.303	0.850E	6.25E	12.2	11
12	6.50B	12.0 B	1.65B	31.9	4.73	1.72	0.316	0.474	0.290	0.700E	5.20E	7.49	12
13	4.00B	7.75B	1.56B	18.2	3.46	1.40	0.283	0.711	0.260	0.580E	4.50E	6.87	13
14	3.00B	6.65B	1.48B	9.81	25.3	1.24	0.247	0.816	0.219	0.450E	3.90E	5.58	14
15	2.65B	5.60B	1.42B	7.40	22.1	1.17	0.238	3.08	0.226	0.350E	3.76A	3.63	15
16	2.48B	4.60B	1.40B	25.3	13.2	1.01	0.215	1.17	0.224	0.340E	3.52	19.0 A	16
17	2.33B	4.10B	1.39B	13.2	9.94	0.964	0.213	0.753	0.224	0.330E	3.24	28.2 E	17
18	2.50B	3.80B	5.20B	26.7	9.42	0.885	0.211	0.520	0.196	0.350E	23.0	14.7 A	18
19	5.30B	3.50B	12.0 B	11.7	9.22	0.721	0.201	1.16	0.206	0.420E	80.1	63.3	19
20	5.60B	3.25B	22.0 B	7.57	7.34	1.78	0.197	1.15	1.00	7.00 E	33.0	20.4	20
21	5.00B	3.20B	22.5 B	11.8	6.64	2.14	0.237	0.652	3.28	4.10 E	15.9	11.7	21
22	4.10B	3.50B	18.0 B	16.7	6.07	4.82	0.245	0.488	1.42	2.90 E	12.5	21.0	22
23	3.70B	7.50B	13.8 B	9.93	50.9	3.52	0.309	0.401	2.49	2.15 E	9.20	22.6	23
24	3.30B	6.00B	10.0 B	7.09	31.9	2.35	0.628	0.354	4.14	5.20 E	7.98	39.6	24
25	3.20B	5.10B	7.50B	5.62	15.2	2.28	0.819	0.324	1.73	6.00 E	8.83	21.3	25
26	40.0 B	4.60B	6.00B	4.70	9.81	1.54	2.21	0.309	1.11	7.70 E	7.37	10.2 B	26
27	49.0 B	4.10B	4.60B	4.46	7.06	1.03	1.85	0.241	0.791	10.0 E	5.60	5.73B	27
28	12.0 B	3.70B	3.80B	4.71	5.64	0.827	1.69	0.206	0.653	14.0 E	5.67	3.58B	28
29	7.25B		3.72	3.91	4.55	0.778	1.49	0.209	0.595	30.0 E	5.42	3.31B	29
30	6.00B		3.08	3.46	31.4	0.878	0.745	0.225	0.534	85.0 E	6.68	3.24B	30
31	5.40B		3.00		29.7		0.490	0.200		20.0 E		3.20B	31
TOTAL	215.66	180.86	169.66	534.42	347.35	89.203	18.269	41.130	23.541	210.994	326.32	576.66	TOTAL
MEAN	6.96	6.46	5.47	17.8	11.2	2.97	0.589	1.33	0.785	6.81	10.9	18.6	MEAN
MAX	49.0	43.0	22.5	86.5	50.9	12.7	2.21	12.6	4.14	85.0	80.1	107	MAX
MIN	2.33	3.10	1.39	3.00	2.40	0.721	0.197	0.200	0.165	0.330	3.24	3.20	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 7.49
MAXIMUM DAILY, 107 ON DEC 09
MINIMUM DAILY, 0.165 ON SEP 02
MAXIMUM INSTANTANEOUS,
220E AT 06:31 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 25 30 N
LONG 063 15 20 W
DRAINAGE AREA, 202 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	18 600	JUL	1 580
FEB	15 600	AUG	3 550
MAR	14 700	SEP	2 030
APR	46 200	OCT	18 200
MAY	30 000	NOV	28 200
JUN	7 710	DEC	49 800

TOTAL DISCHARGE, 236 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 150 IS DUE TO CURVE EXTENSION

NOVA SCOTIA

NORTHEAST MARGAREE RIVER AT MARGAREE VALLEY - STATION NO. 01FB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4.90B	15.8	5.25B	9.68	37.5	12.6	5.16	4.95A	4.45	8.79	20.3	17.7
2	30.7	12.8	5.05B	9.31	64.5	11.7	4.95	95.8 A	4.37	15.1	16.5	15.9
3	17.6	10.0 B	4.90B	10.5	46.0	10.8	4.76	144 A	5.57	12.9	15.1	15.1
4	11.2 B	9.00B	4.70B	45.0	30.1	10.6	4.84	25.4 A	4.00	14.0	14.3	14.3
5	10.0 B	7.50B	4.55B	196	25.6	10.4	4.97	16.5 A	4.37	11.5	22.5	18.6
6	9.00B	6.70B	4.40B	80.2	24.9	9.68	4.61	13.2 A	4.17	10.9	19.1	29.0
7	8.30B	6.00B	4.30B	57.1	21.2	9.14	4.38	11.2 A	4.07	9.28	17.5	19.1
8	7.80B	5.60B	4.15B	37.4	20.5	8.80	4.30	10.1 A	7.71	8.44	15.7	19.3
9	7.20B	5.30B	4.00B	26.1	24.9	8.43	4.26	9.76A	5.63	8.02	15.7	280
10	6.80B	5.00B	3.90B	22.5	27.6	8.13	4.36	9.45A	4.75	12.8	15.5	53.5
11	6.50B	4.80B	3.80B	112	29.8	7.83	4.11	8.81A	4.89	11.5	46.0	27.8
12	6.20B	4.60B	3.65B	214	29.7	7.48	3.93	8.36A	4.52	9.70	42.9	22.0
13	5.80B	20.9	3.55B	47.2	25.6	7.18	3.86	10.6 A	4.67	9.02	23.2	19.1
14	5.60B	17.4	3.40B	30.3	24.1	6.89	3.72	10.3 A	4.90	8.57	18.7	18.9
15	5.30B	14.2	3.30B	28.1	47.0	6.64	3.66	18.7 A	4.18	8.26	16.5	16.3
16	5.10B	11.0 B	3.25B	69.0	32.1	6.46	3.49	11.7 A	4.34	7.89	15.3	24.9
17	4.90B	9.80B	3.15B	69.8	35.6	7.93A	3.58	9.70A	4.44	7.71	15.0	86.7
18	20.2	9.00B	55.1	66.5	24.3	7.21A	3.70	8.86A	4.12	7.40	22.1	34.0
19	66.2	8.50B	53.5	40.2	21.5	6.89A	3.60	8.73A	4.00	10.4	53.6	215
20	25.8	8.00B	22.5	31.7	20.2	12.0 E	3.49	8.55A	4.56	16.1	56.1	56.6
21	18.9	7.60B	19.0	42.2	18.4	8.00E	3.44	7.88A	14.1	12.8	34.9	31.6
22	14.1	7.20B	21.4	59.0	17.2	7.00E	3.83A	7.62A	12.3	10.8	25.4	90.9
23	13.0	6.80B	17.7	70.4	15.9	17.0 E	3.25A	7.28A	9.27	10.4	23.0	99.5
24	11.7	6.60B	39.6	50.4	14.7	12.0 E	4.87A	7.12A	26.0	10.1	52.0	84.3
25	11.0	6.40B	23.5	33.4	13.7	9.50E	4.13A	6.87A	12.2	16.9	20.4	63.4
26	24.3	6.20B	18.0	29.3	12.9	8.00E	3.49A	5.36	9.00	14.5	23.3	38.4
27	140 B	5.90B	15.2	34.2	14.0	6.33A	5.04A	5.12	7.48	17.7	20.3	29.8
28	59.4	5.60B	13.3	48.0	11.4	6.11	3.76A	5.01	6.72	17.1	19.0	26.0B
29	29.3		12.3	32.5	10.9	6.11	3.44A	4.98	6.22	14.8	21.0	25.0B
30	21.9		10.9	29.4	12.2	5.52	3.29A	4.88	5.82	31.4	20.5	24.2B
31	20.4		10.3		12.6		3.12A	4.66		29.2		23.5B
TOTAL	629.10	244.20	401.60	1 631.39	772.6	262.46	125.39	511.45	203.62	393.98	711.4	1 540.4
MEAN	20.3	8.72	13.0	54.4	24.9	8.75	4.04	16.5	6.79	12.7	23.7	49.7
MAX	140	20.9	55.1	214	64.5	17.0	5.16	144	26.0	31.4	56.1	280
MIN	4.90	4.60	3.15	9.31	10.9	5.52	3.12	4.66	4.00	7.40	14.3	14.3

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 20.3
MAXIMUM DAILY, 280 ON DEC 09
MINIMUM DAILY, 3.12A ON JUL 31
MAXIMUM INSTANTANEOUS,
660E AT 12:47 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 22 10 N
LONG 060 58 36 W
DRAINAGE AREA, 368 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	54 400	JUL	10 800
FEB	21 100	AUG	44 200
MAR	34 700	SEP	17 600
APR	141 000	OCT	34 000
MAY	66 800	NOV	61 500
JUN	22 700	DEC	133 000

TOTAL DISCHARGE, 642 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 268 IS DUE TO CURVE EXTENSION

PEMBROKE RIVER AT GLENBERVIE - STATION NO. 01DG018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.00 B	1.50 B	2.10 B	1.40	1.31	2.49	0.379	0.499	0.013	0.240	4.86	2.05
2	2.60 B	1.37 B	1.60 B	2.54	1.36	1.77	0.275	3.44	0.017	0.314	3.28	1.78
3	1.80 B	1.27 B	1.35 B	4.66	1.35	1.33	0.209	1.63	0.148	0.543	2.55	1.58
4	1.25 B	1.17 B	1.29 B	21.5	1.08	1.56	0.173	0.850	0.184	0.344	2.17	1.38
5	1.08 B	1.10 B	1.08 B	18.9	1.17	1.53	0.169	0.470	0.175	0.487	1.71	15.4
6	0.960B	1.06 B	0.980B	8.84	2.54	1.27	0.147	0.319	0.085	0.462	1.40	11.8
7	0.880B	0.980B	0.900B	6.14	2.45	0.947	0.124	0.273	0.072	0.370	2.72	5.84
8	0.840B	0.950B	0.830B	4.41	2.15	0.769	0.190	0.241	0.225	0.315	2.42	5.74
9	0.800B	0.922B	0.780B	3.53	1.82	0.622	0.160	0.219	0.179	0.213	1.61	41.8
10	0.770B	0.900B	0.720B	3.10	1.57	0.600	0.153	0.383	0.118	0.314	1.31	13.4
11	3.00 B	3.30 B	0.680B	27.6	1.43	0.574	0.139	0.283	0.105	0.316	2.87	6.50
12	2.70 B	2.50 B	0.660B	28.4	1.67	0.472	0.103	0.233	0.091	0.320	2.90	4.34
13	2.30 B	2.00 B	0.630B	8.25	1.19	0.388	0.094	0.252	0.059	0.296	1.99	3.08
14	1.80 B	1.70 B	0.604B	5.11	1.15	0.341	0.092	0.186	0.054	0.299	1.63	2.45
15	1.45 B	1.50 B	0.590B	3.84	8.09	0.308	0.069	0.165	0.067	0.432	1.50	1.85B
16	1.22 B	1.35 B	0.580B	9.28	5.10	0.288	0.056	0.149	0.074	0.383	1.34	4.93
17	1.08 B	1.20 B	0.660B	6.53	3.87	0.268	0.045	0.112	0.084	0.288	1.56	8.82
18	0.950B	1.10 B	1.60 B	12.3	3.38	0.232	0.043	0.088	0.083	0.261	6.46	5.19
19	0.860B	1.02 B	3.20 B	6.84	3.26	0.207	0.033	0.093	0.050	1.38	18.4	14.1
20	0.770B	0.960B	5.40 B	4.29	2.64	0.175	0.027	0.130	0.196	1.85	13.7	7.57
21	0.720B	0.900B	7.60 B	4.96	2.17	0.814	0.038	0.094	0.930	0.977	7.45	4.76
22	0.670B	0.860B	8.20 B	10.4	1.87	2.31	0.037	0.066	0.499	0.685	4.77	8.81
23	0.633B	1.80 B	4.20 B	7.88	7.17	1.58	0.055	0.071	0.641	0.638	3.94	8.30
24	0.610B	3.00 B	2.80 B	4.85	8.22	1.32	0.116	0.058	1.07	1.10	3.16	12.8
25	1.50 B	4.40 B	2.10 B	3.42	4.39	1.09	0.120	0.037	0.525	3.35	3.56	7.90
26	2.80 B	3.00 B	2.00 B	2.87	2.78	0.612	0.117	0.027	0.451	1.93	2.69	4.72
27	4.00 B	2.70 B	1.90 B	2.36	2.09	0.483	0.130	0.026	0.333	4.18	2.19	2.88B
28	2.80 B	2.40 B	1.75 B	2.46	1.63	0.403	0.124	0.040	0.266	3.05	2.00	2.51B
29	2.20 B		1.65 B	1.92	1.26	0.360	0.176	0.041	0.256	4.20	1.90	2.02B
30	1.90 B		1.55 B	1.55	3.17	0.409	0.129	0.025	0.276	21.2	2.84	1.72B
31	1.65 B		1.48 B		3.87		0.091	0.024		9.19		1.52B
TOTAL	47.593	46.912	61.464	230.13	92.20	25.522	3.812	10.524	7.281	59.927	110.58	217.54
MEAN	1.54	1.68	1.98	7.67	2.97	0.851	0.123	0.340	0.243	1.93	3.69	7.02
MAX	4.00	4.40	8.20	28.4	8.22	2.49	0.379	3.44	1.07	21.2	18.4	41.8
MIN	0.610	0.860	0.580	1.40	1.08	0.175	0.027	0.024	0.013	0.213	1.31	1.38

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.50
MAXIMUM DAILY, 41.8 ON DEC 09
MINIMUM DAILY, 0.013 ON SEP 01
MAXIMUM INSTANTANEOUS,
63.9E AT 06:44 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 13 54 N
LONG 062 56 29 W
DRAINAGE AREA, 73.3 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 110	JUL	329
FEB	4 050	AUG	909
MAR	5 310	SEP	629
APR	19 900	OCT	5 180
MAY	7 970	NOV	9 550
JUN	2 210	DEC	18 800

TOTAL DISCHARGE, 78 900 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 29.2 AND BELOW 0.016 IS DUE TO CURVE EXTENSION

RIGHTS RIVER NEAR ANTIGONISH - STATION NO. 01DR003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.40 B	1.85 B	0.620B	0.886	1.05	1.71	0.171	2.29	0.125	1.94	5.63	1.48	1
2	7.50 B	1.60 B	0.590B	1.74	0.966	1.23	0.134	14.6	0.096	1.61	3.83	1.29	2
3	5.80 B	1.42 B	0.570B	3.94	0.863	0.998	0.119	6.02	0.699	1.42	2.99	1.14	3
4	4.70 B	1.30 B	0.550B	9.94	0.708	0.896	0.141	2.15	0.332	0.932	2.50	1.03	4
5	3.60 B	1.13 B	0.535B	10.5	0.654	0.838	0.137	1.12	0.205	1.16	2.04	14.6	5
6	2.80 B	1.04 B	0.528B	6.17	2.31	0.688	0.110	0.780	0.155	1.75	2.10	7.53	6
7	2.30 B	0.967B	0.510B	4.97	2.86	0.601	0.092	0.600A	0.123	0.889	7.07	3.76	7
8	1.90 B	0.940B	0.502B	4.57	1.92	0.534	0.084	0.570A	0.156	0.635	3.77	6.96	8
9	1.63 B	0.900B	0.495B	3.64	1.25	0.470	0.082	0.416	0.133	0.557	2.88	31.3	9
10	1.40 B	1.20 B	0.482B	3.43	1.00	0.393	0.083	0.337	0.102	0.844	2.85	9.36	10
11	1.25 B	10.0 B	0.473B	16.8	0.940	0.354	0.075	0.284	0.114	0.717	7.53	5.12	11
12	1.08 B	3.60 B	0.462B	9.09	0.921	0.317	0.068	0.264	0.111	0.560	4.05	3.40B	12
13	0.960B	2.45 B	0.459B	4.74	0.754	0.280	0.058	0.247	0.103	0.493	2.60	2.91B	13
14	0.870B	2.10 B	0.455B	3.44	10.5	0.245	0.050	0.206	0.089	0.643	2.19	2.48B	14
15	0.800B	1.80 B	0.448B	2.90	10.6	0.229	0.041	0.235	0.084	1.36	1.94	2.38B	15
16	0.750B	1.48 B	0.442B	7.38	4.24	0.198	0.036	0.181	0.147	0.799	1.66	12.9 B	16
17	0.710B	1.30 B	2.60 B	4.41	3.08	0.189	0.033	0.151	0.186	0.591	1.46	11.7	17
18	0.675B	1.14 B	7.00 B	5.10	2.48	0.174	0.030	0.120	0.153	0.485	3.79	5.36	18
19	0.640B	1.03 B	2.95 B	3.16	2.21	0.145	0.029	0.198	0.125	7.13	9.64	6.46	19
20	0.610B	0.950B	1.70 B	2.41	1.74	0.273	0.031	0.180	0.498	4.37	10.1	3.87	20
21	0.580B	0.900B	5.00 B	2.43	1.54	0.383	0.026	0.132	1.99	2.16	5.37	2.79B	21
22	0.560B	0.830B	6.60 B	8.77	1.37	1.16	0.027	0.104	0.670	1.55	3.83	9.00B	22
23	0.540B	0.770B	4.20 B	9.99	7.78	0.835	0.038	0.088	2.57	1.29	3.12	5.88	23
24	0.520B	0.740B	3.00 B	4.63	5.17	0.698	0.074	0.075	3.76	1.47	2.78	7.12	24
25	0.750B	0.720B	2.00 B	3.22	3.07	0.686	0.051	0.067	1.19	3.52	2.53	4.67	25
26	3.00 B	0.680B	1.70 B	2.57	2.29	0.325	0.046	0.062	0.729	1.87	3.01	3.03B	26
27	7.00 B	0.660B	1.52 B	2.17	1.71	0.231	0.087	0.055	0.494	9.41	1.93	2.75B	27
28	3.70 B	0.640B	1.30 B	1.75	1.42	0.184	0.108	0.680	0.383	4.65	2.00	2.60B	28
29	2.90 B		1.03 B	1.42	1.14	0.179	0.149	0.610	0.325	12.9	1.74	2.48B	29
30	2.50 B		1.01 B	1.24	2.65	0.168	0.073	0.223	0.284	29.5	2.15	2.32B	30
31	2.10 B		0.970B		3.23		0.046	0.161		10.7		2.22B	31
TOTAL	65.525	44.157	50.701	147.406	82.416	15.611	2.329	33.206	16.331	107.905	109.08	179.88	TOTAL
MEAN	2.11	1.58	1.64	4.91	2.66	0.520	0.075	1.07	0.544	3.48	3.64	5.80	MEAN
MAX	7.50	10.0	7.00	16.8	10.6	1.71	0.171	14.6	3.76	29.5	10.1	31.3	MAX
MIN	0.520	0.640	0.442	0.886	0.654	0.145	0.026	0.055	0.084	0.485	1.46	1.03	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.34
MAXIMUM DAILY, 31.3 ON DEC 09
MINIMUM DAILY, 0.026 ON JUL 21
MAXIMUM INSTANTANEOUS,
44.8E AT 08:27 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 38 44 N
LONG 062 01 15 W
DRAINAGE AREA, 64.2 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 660	JUL	201
FEB	3 820	AUG	2 870
MAR	4 380	SEP	1 410
APR	12 700	OCT	9 320
MAY	7 120	NOV	9 420
JUN	1 350	DEC	15 500

TOTAL DISCHARGE, 73 800 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 39.4 IS DUE TO CURVE EXTENSION

RIVER INHABITANTS AT GLENORA - STATION NO. 01FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.60B	7.00B	2.10B	4.21	4.46	8.75	1.31	10.6	0.664	9.33	21.6	5.74	1
2	9.00B	6.20B	2.05B	4.40	4.10	6.00	1.17	84.9	0.635	20.3	11.8	4.77	2
3	8.30B	5.40B	1.96B	7.28	3.85	4.80	1.10	38.3	1.33	9.08	8.23	4.24	3
4	7.70B	4.90B	1.90B	15.0	3.34	4.30	1.07	11.9	1.22	7.66	6.95	3.87	4
5	7.20B	4.40B	1.85B	45.5	3.15	5.76	1.13	6.06	0.858	5.80	6.58	25.5	5
6	6.70B	4.10B	1.78B	27.3	8.38	4.24	1.02	4.18	0.803	5.62	5.64	50.1	6
7	6.20B	3.80B	1.72B	19.6	12.1	3.40	0.934	3.23	0.741	5.68	17.0	16.5	7
8	5.80B	3.50B	1.68B	24.2	9.35	3.11	0.906	2.69	1.21	4.92	11.9	11.5	8
9	5.50B	3.30B	1.60B	14.9	6.64	2.81	0.865	2.41	1.44	4.70	11.1	75.4	9
10	5.15B	31.0 B	1.55B	10.5	4.88	2.60	0.925	2.15	0.903	2.91	16.5	59.0	10
11	4.90B	16.0 B	1.50B	28.6	4.26	2.31	0.863	1.97	0.830	2.97	36.3	17.1	11
12	4.60B	11.0 B	1.45B	39.9	4.61	2.23	0.836	1.74	0.743	2.59	40.3	9.50B	12
13	4.40B	8.50B	1.40B	17.9	3.85	2.08	0.798	1.57	0.652	2.30	13.9	8.50B	13
14	4.15B	7.00B	1.35B	11.3	9.30	1.96	0.725	1.49	0.648	2.62	9.61	7.50B	14
15	3.95B	5.80B	1.30B	9.33	68.5	1.92	0.695	1.79	0.701	14.2	7.92	6.50B	15
16	3.75B	4.90B	1.28B	19.3	24.7	1.79	0.713	1.50	1.77	7.09	6.86	16.6	16
17	3.60B	4.10B	12.0 B	20.5	16.5	1.81	0.702	1.26	1.46	4.36	6.17	82.1	17
18	3.50B	3.70B	16.0 B	12.9	10.7	1.68	0.669	1.14	1.13	3.30	6.34	28.3	18
19	3.35B	3.50B	13.0 B	9.88	11.2	1.50	0.675	1.31	0.964	5.46	15.3	20.4	19
20	3.20B	3.15B	10.0 B	7.69	8.86	1.67	0.655	1.34	1.30	9.76	18.6	16.1	20
21	3.10B	3.00B	14.0 B	7.07	6.81	2.09	0.757	1.13	10.3	5.27	14.4	10.0	21
22	2.97B	2.80B	20.0 B	20.7	5.96	2.46	0.737	1.01	9.52	3.87	10.1	18.0	22
23	2.85B	2.65B	16.0 B	32.9	10.2	2.73	0.771	0.913	7.47	3.21	8.65	30.8	23
24	2.75B	2.50B	12.0 B	19.2	13.3	2.78	1.82	0.853	23.1	4.93	9.52	18.8	24
25	2.70B	2.40B	9.50B	11.0	8.04	6.56	1.34	0.892	8.65	7.26	7.68	16.6	25
26	2.60B	2.35B	8.00B	8.48	5.73	3.19	1.28	0.832	4.32	5.69	7.43	10.3	26
27	26.0 B	2.30B	7.00B	7.20	4.72	1.97	1.23	0.794	2.93	15.4	6.11	7.63	27
28	16.0 B	2.25B	6.00B	6.16	4.08	1.52	1.63	0.805	2.34	12.9	6.43	6.30B	28
29	12.0 B		5.20B	5.27	3.59	1.31	1.11	0.832	1.94	9.88	6.15	5.70B	29
30	9.50B		4.60B	4.74	19.0	1.27	0.858	0.744	1.65	57.9	6.61	5.30B	30
31	8.00B		4.00B		19.6		0.728	0.689		49.6		5.00B	31
TOTAL	191.02	161.50	183.77	472.91	323.76	90.60	32.022	191.024	88.852	298.56	361.68	603.65	TOTAL
MEAN	6.16	5.77	5.93	15.8	10.4	3.02	1.03	6.16	2.96	9.63	12.1	19.5	MEAN
MAX	26.0	31.0	20.0	45.5	68.5	6.75	3.23	84.9	23.1	57.9	40.3	82.1	MAX
MIN	1.60	2.25	1.28	4.21	3.15	1.27	0.655	0.689	0.635	2.30	5.64	3.87	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.22
MAXIMUM DAILY, 84.9 ON AUG 02
MINIMUM DAILY, 0.635 ON SEP 02
MAXIMUM INSTANTANEOUS,
116 AT 17:35 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 43 15 N
LONG 061 17 10 W
DRAINAGE AREA, 193 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	16 500	JUL	2 770
FEB	14 000	AUG	16 500
MAR	15 900	SEP	7 680
APR	40 900	OCT	25 800
MAY	28 000	NOV	31 200
JUN	7 830	DEC	52 200

TOTAL DISCHARGE, 259 000 dam³

NOVA SCOTIA

RIVER JOHN AT WELSFORD - STATION NO. 01DO001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.40B	8.50B	4.20B	1.90	4.05	13.5	0.923	0.539	0.244	0.362	15.5	5.17	1
2	5.00B	6.40B	3.80B	7.40	3.72	8.41	0.821	7.00	0.236	0.390	9.61	4.49	2
3	5.80B	5.40B	3.50B	13.4	3.42	5.90	0.760	4.14	0.433	0.718	7.15	4.04	3
4	5.40B	4.40B	3.25B	33.1	2.96	5.54	0.688	2.10	0.470	0.762	5.73	3.78	4
5	2.80B	3.70B	2.95B	37.8	2.74	5.16	0.682	1.37	0.337	0.606	4.89	37.6	5
6	2.50B	3.25B	2.80B	17.0	9.75	3.87	0.661	0.978	0.279	0.623	4.23	27.4	6
7	2.20B	3.02B	2.55B	11.7	10.2	3.31	0.612	0.794	0.254	0.503	13.8	13.3	7
8	2.00B	2.90B	2.35B	9.57	6.80	2.97	0.574	0.704	0.350	0.410	9.90	12.2	8
9	1.85B	2.75B	2.20B	8.64	4.99	2.62	0.553	0.650	0.371	0.397	7.39	123	9
10	1.60B	6.00B	2.05B	8.63	4.08	2.35	0.555	0.619	0.288	0.579	6.36	39.6	10
11	6.10B	48.0 B	2.35B	61.6	3.95	2.10	0.528	0.516	0.270	0.772	11.3	18.5	11
12	4.80B	35.0 B	2.05B	60.0	4.59	1.85	0.479	0.535	0.252	0.619	9.45	10.2	12
13	4.00B	16.0 B	1.65B	21.3	3.48	1.69	0.461	0.543	0.295	0.544	6.17	8.50B	13
14	3.25B	8.50B	1.45B	13.0	8.04	1.52	0.428	0.605	0.216	0.505	4.95	7.30B	14
15	2.85B	6.50B	1.25B	9.63	14.3	1.41	0.394	1.99	0.221	0.482	4.28	5.95	15
16	2.32B	5.00B	1.10B	18.8	9.10	1.29	0.354	0.927	0.220	0.478	3.97	15.8	16
17	2.45B	4.40B	2.00B	13.9	7.23	1.17	0.373	0.673	0.225	0.467	3.60	27.6	17
18	3.00B	4.00B	52.0 B	25.0	6.67	1.05	0.350	0.544	0.228	0.413	24.2	14.0	18
19	4.05B	3.65B	36.0 B	14.4	6.99	0.951	0.332	0.607	0.224	1.63	110	38.0	19
20	3.60B	3.40B	29.0 B	9.78	6.07	1.13	0.329	0.788	0.340	3.27	54.2	17.7	20
21	3.25B	3.35B	38.4	8.79	6.00	1.66	0.346	0.535	1.27	1.46	25.2	11.5	21
22	2.95B	8.00B	32.7	12.0	5.52	3.74	0.359	0.464	0.877	1.04	18.3	14.5	22
23	2.75B	11.0 B	20.6	13.7	54.8	2.90	0.354	0.376	0.639	0.880	13.5	15.7	23
24	2.60B	9.30B	18.5 B	10.3	49.5	5.09	0.557	0.331	1.27	0.924	10.7	30.0	24
25	2.80B	7.60B	12.0	7.97	19.8	2.11	0.531	0.323	0.810	2.82	11.1	22.3	25
26	11.0 B	6.20B	8.89	6.68	11.6	1.48	0.570	0.310	0.615	2.07	9.31	12.2	26
27	50.0 B	5.20B	6.80	5.85	8.19	1.10	0.765	0.291	0.502	7.60	6.82	7.11	27
28	36.0 B	4.60B	5.31	6.22	6.30	0.926	0.588	0.268	0.392	5.73	6.71	6.50B	28
29	26.8		4.59	5.03	4.98	0.891	0.463	0.341	0.395	17.3	6.00	9.50B	29
30	12.4 B		4.40B	4.38	14.9	0.918	0.385	0.287	0.389	107	6.41	12.4	30
31	10.5 B		4.02		34.5		0.384	0.254		31.0		7.17	31
TOTAL	220.02	236.02	321.71	479.77	339.22	85.606	16.159	30.432	12.872	192.354	430.73	583.01	TOTAL
MEAN	7.10	8.43	10.4	16.0	10.9	2.85	0.521	0.982	0.429	6.21	14.4	18.8	MEAN
MAX	50.0	48.0	52.0	61.6	54.8	13.5	0.923	7.00	1.27	107	110	123	MAX
MIN	1.40	2.75	1.10	3.90	2.74	0.891	0.329	0.254	0.216	0.362	3.60	3.78	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.08
MAXIMUM DAILY, 123 ON DEC 09
MINIMUM DAILY, 0.216 ON SEP 14
MAXIMUM INSTANTANEOUS,
211E AT 09:03 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 43 42 N
LONG 063 03 09 W
DRAINAGE AREA, 249 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	19 000	JUL	1 400
FEB	20 400	AUG	2 630
MAR	27 800	SEP	1 110
APR	41 500	OCT	16 600
MAY	29 300	NOV	37 200
JUN	7 400	DEC	50 400

TOTAL DISCHARGE, 255 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 164 IS DUE TO CURVE EXTENSION

ROSEWAY RIVER AT LOWER OHIO - STATION NO. 01EC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.9	32.0	30.9	15.4	22.6	28.6	12.8	19.6	1.70	4.94	15.3	25.5	1
2	17.1	28.0B	28.0	15.3	20.2	29.8	12.1	18.3	1.57	4.99	16.1	23.3	2
3	18.9	26.0B	25.3	15.1	18.0	29.8	11.3	16.4	1.49	4.73	15.9	21.4	3
4	20.9	24.0B	23.2	16.7	16.0	29.5	10.7	14.6	1.40	4.62	15.1	19.7	4
5	20.7	23.6B	21.6	20.5	14.6	29.7	10.2	12.9	1.30	4.43	14.0	21.7	5
6	20.3	21.2B	20.2	23.5	14.0	28.1	9.71	11.4	1.27	4.18	13.5	22.5	6
7	19.9	20.0B	18.8	27.1	12.9	26.6	8.88	10.4	1.27	3.84	14.3	23.9	7
8	19.1	18.7B	17.4	29.1	12.0	25.7	8.04	9.73	1.28	3.63	14.1	26.3	8
9	18.1	18.2	15.8	29.5	11.2	23.9	7.74	9.05	1.28	3.42	14.1	25.3	9
10	17.9	22.0	14.6	28.5	10.6	22.4	8.74	8.53	1.19	3.08	14.2	39.2	10
11	19.0	36.4	13.7	31.6	10.4	23.6	8.59	7.94	1.19	2.89	15.3	41.3	11
12	19.7	42.2	13.1	40.2	10.8	29.0	8.00	7.47	1.23	2.88	15.7	42.2	12
13	20.8	46.4	12.4	45.1	10.6	28.7	7.51	6.94	1.16	2.73	15.8	41.3	13
14	21.2	48.1	12.0	50.8	14.9	27.8	7.27	6.46	1.12	2.57	15.7	39.2	14
15	22.3	45.8	11.7	54.7	21.0	26.2	6.21	6.20	1.09	2.55	15.2	36.1	15
16	19.7	42.0	11.7	58.8	24.6	23.7	5.51	5.89	1.24	2.45	14.8	36.1	16
17	18.5	37.9	11.8	58.2	27.1	21.4	4.91	5.61	1.21	2.38	14.3	36.7	17
18	17.7	32.5B	12.8	58.7	29.2	19.0	4.26	5.23	1.18	2.39	15.7	36.3	18
19	16.6	27.5B	14.6	57.8	29.7	17.0	3.73	4.96	1.14	2.42	24.8	38.8	19
20	15.1B	24.0B	16.0	56.0	28.7	15.3	3.25	4.60	1.26	2.45	30.7	40.6	20
21	14.2B	21.0B	18.6	54.3	27.2	14.3	2.92	4.06	1.41	2.45	35.6	41.5	21
22	13.3B	18.9B	20.8	51.8	25.7	14.4	2.60	3.74	1.34	2.42	39.9	42.2	22
23	12.7B	21.1B	21.8	50.9	24.1	15.9	2.60	3.47	2.03	2.42	42.3	42.6	23
24	12.3B	26.0B	22.1	47.1	23.8	17.6	2.59	3.11	2.85	2.88	41.9	42.4	24
25	13.5B	32.8B	21.4	43.3	23.9	18.2	2.55	2.88	2.85	4.09	40.1	41.7	25
26	18.9	35.3	20.1	39.7	23.5	17.7	2.82	2.84	3.03	4.54	37.2	40.6	26
27	24.8	35.4	18.6	36.0	23.1	16.5	4.36	2.48	3.33	6.49	34.6	39.1	27
28	29.5	33.5	17.5	32.9	22.2	14.9	3.27	2.36	3.90	7.52	32.2	37.2	28
29	32.2		16.3	29.3	21.2	13.5	12.1	2.12	4.21	9.55	29.9	35.4	29
30	34.5		15.2	25.7	24.5	13.0	16.5	2.00	4.60	12.5	27.7	33.6	30
31	34.1		14.9		27.1		18.9	1.89		14.2		33.2	31
TOTAL	619.6	840.5	553.1	1 145.9	625.5	661.8	234.36	223.16	55.12	136.63	686.0	1 077.0	TOTAL
MEAN	20.0	30.0	17.8	38.2	20.2	22.1	7.56	7.20	1.84	4.41	22.9	34.7	MEAN
MAX	34.5	48.1	30.9	58.8	29.7	29.8	18.9	19.6	4.60	14.2	42.3	42.6	MAX
MIN	12.3	18.2	11.7	15.1	10.4	13.0	2.55	1.89	1.09	2.38	13.5	19.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.8
MAXIMUM DAILY, 58.8 ON APR 16
MINIMUM DAILY, 1.09 ON SEP 15
MAXIMUM INSTANTANEOUS,
59.7 AT 19:31 AST ON APR 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 50 18 N
LONG 065 22 12 W
DRAINAGE AREA, 495 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	53 500	JUL	20 200
FEB	72 600	AUG	19 300
MAR	47 800	SEP	4 760
APR	99 000	OCT	11 800
MAY	54 000	NOV	59 300
JUN	57 200	DEC	93 100

TOTAL DISCHARGE, 593 000 dam³

NOVA SCOTIA

SACKVILLE RIVER AT BEDFORD - STATION NO. 01EJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.14B	8.10	3.60 B	5.47	3.44	11.9	1.11	1.22	0.300	0.845	17.2	4.44	1
2	1.51B	6.20	2.80 B	15.7	3.29	10.7	0.973	0.956	0.332	0.792	12.4	3.99	2
3	1.90B	4.90B	2.40 B	18.7	5.88	8.42	0.878	0.609	0.568	0.755	9.54	3.66	3
4	2.20B	3.90B	2.00 B	29.5	4.54	8.22	0.885	0.617	0.465	0.673	7.47	4.49	4
5	3.10B	3.38B	1.80 B	36.2	3.45	6.90	0.783	0.584	0.398	0.906	5.87	20.2	5
6	2.70B	2.90B	1.60 B	27.7	5.40	5.59	0.629	0.566	0.370	0.708	6.88	17.3	6
7	2.43B	2.50B	1.38 B	18.8	4.33	4.69	0.597	0.531	0.439	0.641	8.49	17.5	7
8	2.10B	2.20B	1.22 B	14.2	4.89	3.98	0.575	1.04	0.979	0.955	7.05	16.0	8
9	1.83B	1.95B	1.07 B	11.0	4.28A	3.38	0.521	0.979	1.01	1.23	6.82	38.7	9
10	4.00B	11.2 B	0.960B	9.07	3.97	2.96	0.545	0.777	1.10	1.24	6.04	32.7	10
11	4.45B	15.4	0.850B	19.9	5.60	3.01	0.465	0.735	0.592	0.935	8.70	22.8	11
12	4.70B	11.4 B	1.04 B	26.7	5.36	3.18	0.390	1.02	0.359	0.705	7.49	14.9	12
13	4.08B	10.8 B	0.940B	23.4	4.81	2.62	0.352	0.906	0.416	0.713	6.88	10.9	13
14	3.60B	9.82	1.09 B	16.3	7.02	2.35	0.327	0.959	0.409	2.05	6.20	8.54	14
15	3.10B	7.80B	1.07 B	11.6	7.52	2.17	0.279	0.903	0.914	1.30	5.42	6.80B	15
16	2.80B	6.31	1.11 B	17.4	7.83	1.94	0.259	0.793	0.890	1.13	4.70	14.2	16
17	2.30B	5.00B	1.50 B	17.9	7.54	1.78	0.244	0.732	0.559	1.05	4.11	15.4	17
18	2.55B	3.40B	5.50 B	22.1	10.5	1.59	0.208	0.706	0.514	1.02	11.1	15.4	18
19	2.27B	2.80B	5.10 B	18.3	11.2	1.39	0.171	0.785	0.495	2.52	27.0	17.5	19
20	2.02B	2.40B	4.60 B	14.0	11.0	1.32	0.295	0.654	1.49	1.79	34.2	14.5	20
21	1.80B	2.10B	12.6 B	11.3	9.77	1.23	0.339	0.566	0.949	1.49	25.3	12.0	21
22	1.60B	1.90B	11.3 B	13.8	8.40	1.70	0.200	0.481	0.858	1.46	16.9	10.1	22
23	1.40B	6.40B	13.2 B	12.0	8.69	1.34	0.963	0.416	2.23	1.43	12.2	10.3	23
24	1.20B	5.80B	11.4 B	10.3	13.1	1.59	0.573	0.378	1.49	4.60	9.75	10.0	24
25	2.00B	5.55B	9.40 B	8.78	11.7	1.48	0.351	0.376	0.935	5.25	8.26	9.78	25
26	3.00B	5.62B	7.70 B	7.29	10.9	1.37	0.358	0.314	0.789	4.03	6.87	8.95	26
27	14.4	4.85B	6.50 B	6.14	9.13	1.28	0.311	0.278	0.802	7.80	5.70	7.88	27
28	15.7	4.20B	5.90 B	5.17	7.33	1.21	0.289	0.265	0.808	6.61	4.99	7.25B	28
29	15.4		4.80 B	4.47	5.74	1.13	0.259	0.244	0.791	12.3	4.67	5.48	29
30	12.3		3.90 B	3.87	9.25	1.34	0.207	0.270	0.731	21.5	5.27	4.85	30
31	9.77		3.60 B		10.4		0.467	0.299		20.6		4.50B	31
TOTAL	133.15	158.78	131.930	457.06	220.66	101.76	14.803	19.959	22.612	109.028	303.47	391.01	TOTAL
MEAN	4.30	5.67	4.26	15.2	7.12	3.39	0.478	0.644	0.754	3.52	10.1	12.6	MEAN
MAX	15.7	15.4	13.2	36.2	13.1	11.9	1.11	1.22	2.23	21.5	34.2	38.7	MAX
MIN	1.14	1.90	0.850	3.87	2.54	1.13	0.171	0.244	0.300	0.641	4.11	3.66	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.66
MAXIMUM DAILY, 38.7 ON DEC 09
MINIMUM DAILY, 0.171 ON JUL 19
MAXIMUM INSTANTANEOUS,
50.1 AT 05:49 AST ON DEC 09

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 43 53 N
LONG 063 39 45 W
DRAINAGE AREA, 146 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	11 500	JUL	1 280
FEB	13 700	AUG	1 720
MAR	11 400	SEP	1 950
APR	39 500	OCT	9 420
MAY	19 100	NOV	26 200
JUN	8 790	DEC	33 800

TOTAL DISCHARGE, 178 000 dam³

SALMON RIVER AT SALMON RIVER BRIDGE - STATION NO. 01FJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.24	6.70B	2.30B	2.13	2.84	17.1	2.38	2.53	0.300	2.47	28.0	6.56	1
2	10.0 B	5.70B	2.22B	1.97	2.80	8.28	2.00	31.8	0.276	5.96	12.2	5.09	2
3	12.0 B	5.00B	2.12B	2.01	2.68	5.48	1.67	37.6	0.311	6.06	7.69	4.09	3
4	10.0 B	4.50B	2.05B	4.62	2.36	5.08	1.59	18.1	0.438	4.76	6.29	3.51	4
5	8.50B	4.00B	1.98B	67.9	2.01	31.2	1.54	8.13	0.437	3.94	5.44	19.3	5
6	7.00B	3.70B	1.90B	62.5	3.80	23.0	1.28	5.10	0.415	4.03	4.62	78.6	6
7	6.00B	3.35B	1.85B	31.4	11.8	10.4	1.03	3.59	0.385	3.50	12.4	45.8	7
8	5.20B	3.10B	1.80B	35.0	12.4	6.46	0.868	2.66	0.399	2.66	15.4	18.9	8
9	4.60B	2.90B	1.75B	23.9	8.39	4.61	0.910	1.91	0.402	2.17	9.20	71.9	9
10	4.00B	2.70B	1.70B	12.6	5.91	4.00E	0.787	1.62	0.398	2.00	6.71	99.2	10
11	10.5	5.00B	1.65B	21.1	4.57	3.30E	0.771	1.44	0.538	1.87	7.29	35.4	11
12	16.2	26.0 B	1.60B	53.8	3.93	2.80E	0.724	1.25	0.619	1.64	11.6	14.1	12
13	14.6	10.0 B	1.55B	37.1	3.32	2.40E	0.644	1.11	0.565	1.51	8.26	7.80B	13
14	14.1	8.50B	1.50B	15.3	3.29	2.10E	0.546	1.04	0.531	1.61	6.01	7.00B	14
15	7.91	6.50B	1.46B	9.00	33.6	2.30E	0.485	0.898	0.446	9.31	4.85	6.00B	15
16	6.80	5.60B	1.42B	10.6	35.5	2.60E	0.429	0.786	0.485	10.2	4.18	9.63	16
17	5.60B	4.90B	1.40B	16.3	31.9	2.55E	0.412	0.696	0.750	6.38	3.69	67.7	17
18	4.90B	4.60B	1.50B	12.5	20.8	2.30E	0.405	0.616	2.92	4.25	3.80	49.1	18
19	4.40B	4.30B	1.80B	9.53	13.9	2.10E	0.404	0.665	3.49	4.40	7.89	37.3	19
20	3.90B	4.00B	2.00B	6.77	13.5	1.90E	0.406	0.786	3.27	13.2	18.8	36.1	20
21	3.50B	3.80B	12.0 B	5.34	9.45	1.80E	0.398	0.676	12.3	9.53	13.9	16.9	21
22	3.20B	3.50B	20.0 B	13.1	7.14	2.10E	0.408	0.583	8.92	5.97	8.74	15.7	22
23	2.89B	3.30B	13.0 B	29.4	9.44	2.60E	0.433	0.511	6.30	4.41	6.57	28.7	23
24	2.60B	3.10B	9.00B	20.6	13.7	2.30E	0.470	0.446	20.3	3.49	5.48	21.7	24
25	2.40B	2.95B	6.50B	11.9	9.27	2.00E	2.22	0.412	16.7	6.47	5.85	25.2	25
26	7.00B	2.80B	5.40B	7.96	6.31	8.00A	1.80	0.394	8.25	8.30	7.21	15.9	26
27	10.0 B	2.70B	4.60B	6.03	4.67	6.02	2.80	0.352	5.34	9.81	6.85	8.90	27
28	20.0 B	2.60B	3.80B	4.77	3.54	4.03	3.03	0.343	3.88	14.9	5.63	5.63	28
29	10.0 B		3.10B	4.01	2.74	2.83	2.38	0.336	2.81	10.9	4.99	4.35B	29
30	9.50B		2.82	3.39	24.8	2.30	1.67	0.328	2.18	60.9	5.82	3.75B	30
31	8.00B		2.33		40.5		1.28	0.312		67.8		3.60B	31
TOTAL	237.64	145.80	118.10	542.73	350.86	173.89	37.300	126.940	104.375	294.40	255.36	773.41	TOTAL
MEAN	7.67	5.21	3.81	18.1	11.3	5.80	1.20	4.09	3.48	9.50	8.51	24.9	MEAN
MAX	20.0	26.0	20.0	67.9	40.5	31.2	3.03	37.6	20.3	67.8	28.0	99.2	MAX
MIN	2.40	2.60	1.40	1.97	2.01	1.80	0.398	0.312	0.276	1.51	3.69	3.51	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.66
MAXIMUM DAILY, 99.2 ON DEC 10
MINIMUM DAILY, 0.276 ON SEP 02
MAXIMUM INSTANTANEOUS,
129 AT 00:28 AST ON DEC 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 56 03 N
LONG 060 18 10 W
DRAINAGE AREA, 199 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	20 500	JUL	3 220
FEB	12 600	AUG	11 000
MAR	10 200	SEP	9 020
APR	46 900	OCT	25 400
MAY	30 300	NOV	22 100
JUN	15 000	DEC	66 800

TOTAL DISCHARGE, 273 000 dam³

NOVA SCOTIA

SALMON RIVER AT UNION - STATION NO. 01DH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.80B	6.80B	5.00B	4.73	5.93	14.0 E	0.980E	2.40 E	0.296E	0.565	20.5	7.58	1
2	7.00B	6.20B	4.10B	9.73	6.28	9.50E	0.900E	8.00 E	0.297E	0.698	14.3	6.34	2
3	6.00B	5.80B	3.80B	18.0	5.43	7.50E	0.850E	13.0 E	0.350E	2.93	11.7	5.45	3
4	5.20B	5.35B	3.50B	55.1	4.16	6.30E	0.800E	7.00 E	0.430E	1.67	9.55	4.85	4
5	4.60B	5.10B	3.30B	50.8	5.10	5.00E	0.752A	2.80 E	0.420E	1.58	7.86	52.5	5
6	4.20B	4.80B	3.15B	22.8	11.2	4.20E	0.700E	1.80 E	0.400E	1.45	6.85	36.7	6
7	3.90B	4.60B	2.95B	17.5	10.6	3.50E	0.680E	1.40 E	0.398E	0.991	16.5	18.1	7
8	3.70B	4.35B	2.75B	14.3	7.89	3.10E	0.620E	1.00 E	0.440E	0.823	13.1	17.5	8
9	3.55B	4.15B	2.70B	12.6	5.91	2.60E	0.600E	0.850E	0.900E	0.732	9.10	136	9
10	3.53B	7.00B	2.60B	11.7	4.79	2.50E	0.570E	0.700E	0.800E	0.986	7.36	43.6	10
11	8.00B	35.0 B	2.50B	93.1	5.79	2.20E	0.550E	0.650E	0.500E	1.19	13.3	22.1	11
12	6.30B	17.3 B	2.40B	99.5	8.57	2.16E	0.530E	0.600E	0.419A	0.898	12.7	16.9 B	12
13	5.20B	12.5 B	2.35B	30.7	5.74	1.78A	0.500E	0.560E	0.410E	0.832	9.04	10.4 B	13
14	4.30B	9.50B	2.31B	20.0	19.6	1.60E	0.450E	0.720E	0.400E	0.800	7.44	7.80B	14
15	3.58B	8.00B	2.25B	15.1	26.4	1.52E	0.430E	2.00 E	0.399E	0.866	6.52	6.45B	15
16	3.30B	6.70B	2.20B	27.3	17.0	1.47E	0.410E	2.65 E	0.398E	0.873	6.31	14.2 B	16
17	3.00B	5.90B	2.18B	19.4	13.9	1.40E	0.399A	2.00 E	0.397E	0.733	5.73	28.5	17
18	3.40B	5.10B	2.35B	37.9	11.2 A	1.38E	0.380E	1.40 E	0.392E	0.659	22.9	17.2	18
19	6.00B	4.90B	8.80B	19.9	10.2 E	1.35E	0.370E	1.10 E	0.380E	7.33	79.8	45.3	19
20	9.50B	4.50B	16.0 B	14.3	9.30E	1.50E	0.360E	0.850E	0.400E	9.17	50.4	23.9	20
21	7.00B	4.30B	27.0 B	19.0	8.70E	3.20E	0.370E	0.600E	3.40 E	3.94	25.3	16.4	21
22	6.00B	4.20B	25.0 B	27.7	8.00E	3.80E	0.380E	0.435A	2.30 E	2.38	18.2	24.3	22
23	5.10B	5.50B	20.3 B	20.1	65.0 E	3.30E	0.400E	0.363A	3.20 E	1.75	14.4	35.5 E	23
24	4.50B	7.00B	16.0 B	14.6	45.0 E	2.50E	0.600E	0.320E	3.80 A	3.44	12.6	35.8 E	24
25	4.30B	9.80B	13.2 B	11.4	30.0 E	2.10E	1.00 E	0.303E	1.67	11.7	13.0	20.5 E	25
26	52.0 B	7.00B	10.8 B	10.0	20.0 E	1.90E	2.00 E	0.302E	1.03	6.15	10.9	17.1	26
27	70.0 B	5.80B	7.80B	9.27	13.0 E	1.60E	2.50 E	0.301E	0.788	14.5	8.51	11.0 A	27
28	17.0 B	5.10B	5.60B	9.65	10.0 E	1.30E	2.35 E	0.300E	0.685	12.9	8.27	8.80B	28
29	10.2 B		4.75B	7.70	7.00E	1.15E	2.20 E	0.299E	0.608	24.6	8.07	6.60B	29
30	8.60B		4.70B	6.63	23.0 E	1.05E	1.20 E	0.298E	0.582	124	9.70	5.90B	30
31	7.50B		4.97		31.0 E		0.485A	0.297E		42.4		5.40B	31
TOTAL	291.26	212.25	217.31	730.51	455.69	96.46	25.316	55.298	26.889	283.536	459.91	704.67	TOTAL
MEAN	9.40	7.58	7.01	24.4	14.7	3.22	0.817	1.78	0.896	9.15	15.3	22.7	MEAN
MAX	70.0	35.0	27.0	99.5	65.0	14.0	2.50	13.0	3.80	124	79.8	136	MAX
MIN	3.00	4.15	2.18	4.73	4.16	1.05	0.360	0.297	0.296	0.565	5.73	4.85	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.75
MAXIMUM DAILY, 136 ON DEC 09
MINIMUM DAILY, 0.296E ON SEP 01
MAXIMUM INSTANTANEOUS,
223E AT 07:49 AST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 23 54 N
LONG 063 07 23 W
DRAINAGE AREA, 287 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 200	JUL	2 190
FEB	18 300	AUG	4 780
MAR	18 800	SEP	2 320
APR	63 100	OCT	24 500
MAY	39 400	NOV	39 700
JUN	8 330	DEC	60 900

TOTAL DISCHARGE, 308 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 174 IS DUE TO CURVE EXTENSION

SHARPE BROOK AT LLOYDS - STATION NO. 01DD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.298B	0.220B	0.259B	0.281	0.197	0.548	0.032	0.065	0.002	0.005	0.220	0.222	1
2	0.179B	0.205B	0.253	0.384	0.190	0.394	0.026	0.127	0.001	0.006	0.163	0.201	2
3	0.213B	0.196B	0.266	0.406	0.162	0.317	0.020	0.073	0.002	0.006	0.143	0.181	3
4	0.180	0.184B	0.245	1.74	0.161	0.333	0.018	0.039	0.002	0.005	0.121	0.181	4
5	0.213	0.175B	0.210B	1.12	0.171	0.311	0.017	0.026	0.001	0.007	0.101	0.659	5
6	0.182B	0.167B	0.190B	0.665	0.328	0.247	0.013	0.018	0.001	0.007	0.106	0.460	6
7	0.150B	0.161B	0.165B	0.520	0.298	0.207	0.011	0.013	0.002	0.005	0.178	0.314	7
8	0.136	0.155B	0.154	0.439	0.225	0.182	0.010	0.011	0.003	0.005	0.147	0.371	8
9	0.118	0.171B	0.139	0.401	0.181	0.163	0.009	0.010	0.003	0.004	0.119	1.65	9
10	0.149	0.703B	0.130	0.441	0.155	0.149	0.009	0.009	0.002	0.022	0.102	0.816	10
11	0.225	1.01 B	0.143	2.22	0.174	0.137	0.008	0.009	0.002	0.025	0.119	0.526	11
12	0.192	0.557B	0.171	1.25	0.167	0.124	0.006	0.036	0.002	0.019	0.128	0.375	12
13	0.164	0.395B	0.172	0.714	0.146	0.105	0.005	0.041	0.001	0.014	0.104	0.323	13
14	0.138B	0.302B	0.163	0.521	0.317	0.091	0.004	0.027	0.002	0.013	0.090	0.304	14
15	0.125B	0.259B	0.151	0.438	0.337	0.083	0.003	0.019	0.002	0.012	0.084	0.261	15
16	0.112	0.216B	0.183	0.945	0.297	0.073	0.003	0.013	0.001	0.011	0.080	0.537	16
17	0.105	0.179B	0.455	0.646	0.246	0.066	0.003	0.009	0.001	0.009	0.076	0.739	17
18	0.203	0.146B	0.973B	0.983	0.431	0.058	0.003	0.007	0.001	0.008	0.466	0.502	18
19	0.307B	0.117B	0.792	0.587	0.374	0.047	0.002	0.011	0.001	0.009	2.14	0.980	19
20	0.216B	0.090B	0.522	0.454	0.288	0.047	0.003	0.013	0.005	0.011	1.18	0.659	20
21	0.150B	0.069B	0.761	0.437	0.241	0.057	0.005	0.010	0.008	0.009	0.705	0.428	21
22	0.126B	0.100B	0.659B	0.450	0.272	0.112	0.004	0.007	0.008	0.009	0.545	0.438	22
23	0.116B	1.43 B	0.540B	0.380	0.606	0.097	0.009	0.005	0.018	0.009	0.437	0.491	23
24	0.109B	0.560B	0.450B	0.336	1.04	0.086	0.034	0.004	0.031	0.022	0.398	0.802	24
25	0.131B	0.348B	0.370B	0.302	0.649	0.073	0.119	0.004	0.018	0.051	0.380	0.728	25
26	0.552B	0.325B	0.318B	0.277	0.436	0.051	0.314	0.003	0.013	0.044	0.346	0.467	26
27	1.28 B	0.298B	0.273B	0.253	0.360	0.039	0.214	0.003	0.009	0.227	0.291	0.346	27
28	0.566B	0.280B	0.247B	0.236	0.316	0.033	0.135	0.003	0.008	0.150	0.265	0.281	28
29	0.316B		0.286	0.220	0.276	0.028	0.083	0.002	0.006	0.208	0.254	0.245	29
30	0.260B		0.284	0.207	1.24	0.033	0.054	0.002	0.006	0.670	0.242	0.278	30
31	0.240B		0.241		1.01		0.040	0.002		0.339		0.393	31
TOTAL	7.451	9.018	10.165	18.253	11.311	4.291	1.216	0.621	0.162	1.941	9.730	15.158	TOTAL
MEAN	0.240	0.322	0.328	0.608	0.365	0.143	0.039	0.020	0.005	0.063	0.324	0.489	MEAN
MAX	1.28	1.43	0.973	2.22	1.24	0.548	0.314	0.127	0.031	0.670	2.14	1.65	MAX
MIN	0.105	0.069	0.130	0.207	0.146	0.028	0.002	0.002	0.001	0.004	0.076	0.181	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.245
MAXIMUM DAILY, 2.22 ON APR 11
MINIMUM DAILY, 0.001 ON SEP 02
MAXIMUM INSTANTANEOUS,
3.20 AT 09:56 AST ON APR 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 01 30 N
LONG 064 38 14 W
DRAINAGE AREA, 8.81 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	644	JUL	105
FEB	779	AUG	53.7
MAR	878	SEP	14.0
APR	1 580	OCT	168
MAY	977	NOV	841
JUN	371	DEC	1 310

TOTAL DISCHARGE, 7 720 dam³

NOVA SCOTIA

SHUBENACADIE RIVER AT ENFIELD - STATION NO. 01DG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.00E	15.5	11.5	14.2	20.1	24.1	5.63	1.38	0.681	0.503	18.0	18.9	1
2	9.30E	14.9	11.2	21.1	18.8	22.9	5.18	1.36	0.690	0.549	18.6	17.3	2
3	9.60E	14.0	10.5	26.6	17.2	21.8	4.94	1.35	0.628	0.526	18.6	15.6	3
4	8.50E	13.4	9.98	31.1	16.0	21.1	4.51	1.49	0.607	0.489	18.6	14.4	4
5	8.25E	12.6	9.38	54.6	15.3	20.0	4.01	1.38	0.596	0.604	17.9	38.0	5
6	8.10E	11.9	8.96	42.2	16.6	18.7	3.87	1.31	0.606	0.663	16.7	48.1	6
7	7.80E	11.5	8.49	37.5	16.0	17.3	3.60	1.42	0.580	0.708	18.4	30.3	7
8	7.60E	10.8	8.15	36.7	15.6	15.9	3.24	1.51	0.530	0.688	16.9	28.3	8
9	7.40E	10.0	8.18	34.9	14.9	14.9	3.10	1.41	0.448	0.674	15.9	67.0A	9
10	8.80E	14.7	7.78	32.7	14.4	13.8	2.94	1.35	0.423	0.702	15.0	75.3A	10
11	12.0 E	22.0	7.43	38.0	14.8	12.7	2.91	1.17	0.470	0.718	16.8	52.9	11
12	9.70E	17.9	7.09	50.4	15.5	12.1	2.83	1.22	0.486	0.846	16.3	46.4	12
13	9.60E	17.3	6.98	42.5	12.5	11.4	2.73	1.26	0.497	0.856	15.4	43.2	13
14	9.20E	17.0	6.76	38.5	10.2	11.0	2.54	1.13	0.438	0.888	14.7	39.9	14
15	8.50E	16.9	6.56	36.3	17.7	10.2	2.42	1.09	0.387	0.926	14.0	35.6	15
16	8.00E	16.5	6.59	41.3	18.1	9.40	2.28	1.06	0.344	0.959	13.2	37.3	16
17	7.60E	15.9	6.48	43.2	18.5	9.10	2.05	1.12	0.362	0.897	12.8	45.2	17
18	7.30E	14.7	7.99	44.4	19.5	8.74	1.97	1.10	0.372	0.911	16.2	39.4	18
19	7.00E	14.0	9.28	42.6	21.4	8.04	1.91	1.18	0.333	1.09	63.0A	38.3	19
20	6.50E	13.1	8.99	39.5	21.7	7.61	1.73	1.05	0.294	1.38	71.6A	36.4	20
21	6.25E	12.1	13.5	37.1	21.1	8.54	1.53	0.954	0.330	1.33	45.9	33.9	21
22	5.80A	11.3	18.8	39.5	20.6	9.43	1.61	0.922	0.353	1.41	37.9	32.4	22
23	6.03	12.0	16.5	38.6	21.6	9.51	1.53	0.904	0.363	1.35	35.4	31.6	23
24	5.87	13.3	17.6	35.3	27.5	9.13	1.50	0.864	0.470	1.65	33.1	31.1	24
25	5.99	13.1	17.3	32.7	27.0	8.82	1.56	0.831	0.457	2.79	31.0	31.1	25
26	8.02	13.0	17.5	29.9	24.8	8.14	1.48	0.801	0.463	2.75	28.4	27.7	26
27	20.0 B	12.6	17.0	27.8	24.7	7.59	1.54	0.766	0.478	3.51	25.8	25.3	27
28	16.0 B	12.4	16.3	25.9	23.7	7.11	1.51	0.736	0.494	4.00	23.5	22.9	28
29	14.0		15.5	23.5	21.6	6.36	1.50	0.741	0.497	8.17	21.7	21.3	29
30	15.3		14.1	21.9	21.0	5.80	1.50	0.691	0.497	30.8	21.0	20.0	30
31	16.1		13.5		27.3		1.50	0.745		25.0		19.5	31
TOTAL	285.11	394.4	345.87	1 062.5	605.0	371.22	81.15	34.265	14.174	98.337	733.1	1 064.6	TOTAL
MEAN	9.20	14.1	11.2	35.4	19.5	12.4	2.62	1.11	0.473	3.17	24.4	34.3	MEAN
MAX	20.0	22.0	18.8	54.6	27.5	24.1	5.63	1.51	0.690	30.8	71.6	75.3	MAX
MIN	5.00	10.0	6.48	14.2	14.4	5.80	1.48	0.691	0.294	0.489	12.8	14.4	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.9
MAXIMUM DAILY, 75.3A ON DEC 10
MINIMUM DAILY, 0.294 ON SEP 20
MAXIMUM INSTANTANEOUS,
83.0E AT 01:17 AST ON NOV 20

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 55 55 N
LONG 063 32 04 W
DRAINAGE AREA, 389 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	24 600	JUL	7 010
FEB	34 100	AUG	2 960
MAR	29 900	SEP	1 220
APR	91 800	OCT	8 500
MAY	52 300	NOV	63 300
JUN	32 100	DEC	92 000

TOTAL DISCHARGE, 440 000 dam³

SOUTH RIVER AT ST. ANDREWS - STATION NO. 01DR001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.00B	5.10B	1.92B	2.23	3.28	6.36	1.29	20.0 E	0.387	1.95	22.2	5.59	1
2	15.0 B	4.60B	1.85B	2.89	2.59	4.72	1.12	39.0 E	0.387	2.90	13.9	4.64	2
3	12.0 B	4.10B	1.78B	7.14	2.51	3.71	1.03	22.0 E	0.619	2.01	9.83	4.18	3
4	10.2 B	3.90B	1.75B	19.5	2.15	3.58	0.976	14.0 E	0.584	1.66	7.44	3.78	4
5	9.00B	3.60B	1.70B	33.4	2.04	5.59	0.978	9.00 E	0.488	1.57	5.86	33.6	5
6	7.80B	3.45B	1.68B	19.0	5.11	4.27	0.891	6.00 E	0.450	1.68	4.77	32.3	6
7	6.70B	3.32B	1.65B	14.4	6.06	3.38	0.868	3.80 E	0.445	1.34	7.33	18.4	7
8	6.00B	3.18B	1.60B	16.4	4.51	2.91	0.904	2.50 E	0.564	1.13	6.25	17.1	8
9	5.40B	3.05B	1.57B	12.3	3.68	2.63	0.822	1.70 E	0.519	1.10	5.52	99.5	9
10	4.90B	9.50B	1.55B	8.42	2.69	2.22	0.824	1.30 A	0.465	1.03	4.85	44.8	10
11	4.50B	30.0 B	1.53B	27.2	2.65	1.91	0.751	1.19	0.425	1.11	12.5	24.3	11
12	4.10B	19.0 B	1.51B	21.9	3.09	1.63	0.673	1.10	0.395	0.994	12.7	14.5	12
13	3.80B	11.0 B	1.49B	14.7	2.53	1.39	0.632	1.02	0.447	0.875	8.85	10.2	13
14	3.50B	7.00B	1.47B	11.7	2.12	1.26	0.569	1.00	0.487	1.30	6.77	8.67	14
15	3.30B	4.20B	1.44B	8.13	25.2	1.28	0.489	1.11	0.456	4.19	5.89	5.45B	15
16	3.10B	3.40B	1.43B	15.9	13.0	1.12	0.477	0.996	0.551	2.98	5.43	24.6	16
17	2.95B	3.10B	3.80B	13.8	9.30	1.12	0.467	0.855	0.549	2.46	4.51	43.3	17
18	2.79B	2.90B	12.8 B	11.3	7.07	1.03	0.432	0.774	0.416	2.02	6.42	22.4	18
19	2.60B	2.80B	7.50B	8.27	6.51	0.883	0.380A	0.981	0.414	2.29	21.4	21.8	19
20	2.45B	2.65B	6.00B	6.13	5.30	0.958	0.350E	0.919	0.472	7.48	32.3	15.3	20
21	2.32B	2.55B	14.0 B	5.33	4.55	1.35	0.330E	0.830	0.843	4.62	21.4	10.4	21
22	2.22B	2.45B	17.0 B	21.2	4.06	5.42	0.322E	0.711	0.588	3.65	14.2	12.6	22
23	2.14B	2.32B	9.50B	37.3	13.5	5.36	0.320E	0.624	0.787	3.03	10.7	13.6	23
24	2.05B	2.28B	10.4 B	20.3	17.0	4.05	0.362E	0.584	3.35	2.89	8.84	13.5	24
25	6.00B	2.18B	6.50B	13.0	11.1	4.06	0.352E	0.637	1.50	6.21	7.26	13.8	25
26	16.1 B	2.12B	4.80B	9.20	7.52	3.15	0.340E	0.562	0.954	4.81	6.68	9.40B	26
27	13.0 B	2.05B	3.60B	6.91	5.45	2.44	0.400E	0.492	0.734	17.6	5.43	5.40B	27
28	11.0 B	2.00B	3.20B	5.56	4.27	1.92	0.440E	0.428	0.652	14.6	6.06	4.80B	28
29	8.50B		2.80B	4.53	3.50	1.55	0.460E	0.450	0.600	20.4	5.10	4.50B	29
30	6.75B		2.42B	3.86	8.60	1.36	0.360E	0.461	0.560	73.7	6.55	4.10B	30
31	5.70B		2.37		9.49		0.330E	0.424		40.4		3.90B	31
TOTAL	202.87	147.80	132.61	414.90	209.31	82.671	18.939	135.448	20.088	236.979	296.64	549.71	TOTAL
MEAN	6.54	5.28	4.28	13.8	6.75	2.76	0.611	4.37	0.670	7.64	9.89	17.7	MEAN
MAX	25.0	30.0	17.0	37.3	25.2	6.36	1.29	39.0	3.35	73.7	32.3	99.5	MAX
MIN	2.05	2.00	1.43	2.23	2.04	0.883	0.320	0.424	0.387	0.875	4.51	3.78	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.71
MAXIMUM DAILY, 99.5 ON DEC 09
MINIMUM DAILY, 0.320E ON JUL 23
MAXIMUM INSTANTANEOUS,
149E AT 10:55 AST ON DEC 09

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 33 35 N
LONG 061 54 15 W
DRAINAGE AREA, 177 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	17 500	JUL	1 640
FEB	12 800	AUG	11 700
MAR	11 500	SEP	1 740
APR	35 800	OCT	20 500
MAY	18 100	NOV	25 600
JUN	7 140	DEC	47 500

TOTAL DISCHARGE, 212 000 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 107 IS DUE TO CURVE EXTENSION

NOVA SCOTIA

SOUTHWEST MARGAREE RIVER NEAR UPPER MARGAREE - STATION NO. 01FB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.0	22.1	18.0	17.1	34.1	19.5	7.02	5.07	3.92	5.32	15.1	18.8	1
2	15.7	21.2	17.7	16.9	34.7	19.1	6.84	12.0	3.79	5.49	14.7	18.4	2
3	14.6	20.5	17.0	17.3	33.0	18.4	6.78	11.2	4.98	5.85	14.7	17.5	3
4	14.6B	20.4	16.5	24.8	31.2	18.7	6.81	8.38	4.29	5.87	14.7	17.5	4
5	14.3	19.1	16.0	39.4	30.0	17.8	6.61	7.89	4.13	6.23	14.4	22.6	5
6	14.3B	18.8	15.4	33.2	29.0	17.1	6.40	7.60	4.00	6.94	13.9	24.6	6
7	13.9	18.5	15.0	32.6	28.5	16.5	6.20	7.38	3.89	6.40	14.6	22.5	7
8	14.0	17.8	14.7	31.4	28.3	15.9	5.96	7.27	3.99	6.25	14.8	24.3	8
9	13.7	17.4	14.2	30.1	28.0	15.3	5.88	7.19	3.85	6.24	14.8	46.9	9
10	13.6B	24.7	13.8	29.4	26.9	14.5	5.70	7.10	3.69	6.71	16.0	37.4	10
11	14.2	33.8	13.4	43.2	27.0	14.0	5.49	7.01	3.52	6.54	29.4	34.9	11
12	13.7	27.3	13.0	50.0	25.7	13.4	5.26	6.99	3.50	6.44	24.4	34.3	12
13	13.5	26.0	12.6	43.0	24.7	13.0	5.01	6.67	3.44	6.43	22.3	33.2	13
14	13.2	25.4	12.1	41.2	26.4	12.5	4.94	6.65	3.35	6.53	21.4	32.2	14
15	13.1	24.2	12.0	40.2	28.6	12.1	4.69	6.84	3.27	6.86	21.1	31.4	15
16	13.0	23.7	11.6	44.8	28.7	11.6	4.55	6.26	3.59	6.63	20.7	39.0	16
17	12.7B	23.3	11.5	44.5	29.4	11.2	4.41	6.18	3.38	6.54	20.8	50.6	17
18	13.7	22.1	14.6	44.8	27.8	11.2	4.43	6.09	3.28	6.45	21.4	42.9	18
19	14.3	21.7	16.3	42.4	26.8	10.7	4.54	5.77	3.19	7.90	22.4	54.4	19
20	14.2B	21.0	15.0	41.1	25.8	11.6	4.46	5.47	3.46	7.33	23.4	47.5	20
21	13.8	20.2	16.6	41.5	25.4	10.9	4.48	5.43	4.25	6.82	22.8	45.0	21
22	13.5B	19.9	18.6	43.9	24.3	10.6	4.37	5.29	3.67	6.96	22.0	53.1	22
23	13.3	20.6	19.2	45.5	23.6	10.5	4.47	5.02	4.73	6.74	21.7	54.8	23
24	13.1	20.3	22.5	42.5	22.9	9.92	4.91	4.87	5.95	6.81	21.5	54.7	24
25	13.2	20.0	20.4	41.1	22.0	10.0	4.72	4.76	5.01	7.69	21.4	52.4	25
26	15.5	19.4	19.9	39.5	21.3	9.40	4.61	4.64	4.71	7.18	21.2	50.4	26
27	38.7	18.9	19.2	38.4	20.5	8.64	4.44	4.58	4.64	9.12	19.9	48.6	27
28	24.9	18.7	18.9	37.6	19.8	7.99	4.28	4.46	4.62	8.69	19.9	47.9	28
29	22.0		18.4	35.9	19.1	7.60	4.13	4.42	4.54	9.92	19.6	44.9	29
30	22.5		17.9	34.8	20.4	7.31	4.06	4.20	4.40	16.8	19.2	43.4	30
31	22.9		17.5		20.2		3.94	4.03		16.7		43.8	31
TOTAL	490.7	607.0	499.5	1 108.1	814.1	387.26	160.39	196.71	120.93	232.38	584.2	1 189.9	TOTAL
MEAN	15.8	21.7	16.1	36.9	26.3	12.9	5.17	6.35	4.03	7.50	19.5	38.4	MEAN
MAX	38.7	33.8	22.5	50.0	34.7	19.5	7.02	12.0	5.95	16.8	29.4	54.8	MAX
MIN	12.7	17.4	11.5	16.9	19.1	7.31	3.94	4.03	3.19	5.32	13.9	17.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.5
MAXIMUM DAILY, 54.8 ON DEC 23
MINIMUM DAILY, 3.19 ON SEP 19
MAXIMUM INSTANTANEOUS,
68.0 AT 22:57 AST ON DEC 16

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 13 24 N
LONG 061 08 12 W
DRAINAGE AREA, 357 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	42 400	JUL	13 900
FEB	52 400	AUG	17 000
MAR	43 200	SEP	10 400
APR	95 700	OCT	20 100
MAY	70 300	NOV	50 500
JUN	33 500	DEC	103 000

TOTAL DISCHARGE, 552 000 dam³

ST. MARYS RIVER AT STILLWATER - STATION NO. 01EO001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.0B	60.0B	15.5B	29.5	37.6	69.2	16.4	19.0	2.42	15.8	185	51.6	1
2	28.0	50.0B	15.2B	41.6	34.5	52.6	14.5	225	2.09	47.9	116	44.0	2
3	41.6	46.0B	14.8B	108	33.5	41.1	11.6	193	2.18	45.6	81.4	37.9	3
4	43.1	41.0B	14.5B	145	29.0	39.1	9.82	103	3.31	37.4	63.4	33.4	4
5	39.5	36.0B	14.0B	323	25.1	59.5	8.83	60.7	4.04	30.1	52.0	142	5
6	35.7	33.0B	13.7B	240	37.7	49.4	7.98	39.7	3.73	27.4	43.6	318	6
7	31.6	30.0B	13.5B	148	58.5	37.8	6.85	28.2	3.20	25.1	60.0	194	7
8	27.6	27.5B	13.3B	135	52.9	30.4	6.71	21.2	3.08	23.1	69.6	119	8
9	22.6	26.4	13.0B	108	43.6	25.0	6.54	17.7	2.93	15.6	57.9	477	9
10	20.7	33.6B	12.9	83.9	36.7	20.7	6.10	14.3	2.63	14.0	47.6	689	10
11	30.0B	204 B	12.8	112	32.4	17.7	5.51	11.9	2.72	13.3	64.8	293	11
12	46.9	227	12.4	300	35.6	15.8	4.84	10.0	2.58	12.8	107	148	12
13	49.6	130	12.3B	232	34.5	13.4	4.15	8.92	2.30	11.6	82.3	99.3	13
14	46.5	91.1	12.2B	130	34.8	11.3	3.76	7.80	2.14	11.4	63.3	82.1	14
15	36.9B	62.3	12.1B	89.7	126	9.94	3.13	9.93	2.01	28.0	51.4	61.6	15
16	31.3	47.8	12.0B	98.5	121	9.32	2.77	11.8	2.81	33.5	44.5	98.1	16
17	26.4	41.5B	24.8B	137	90.5	8.27	2.49	9.09	4.09	26.0	40.1	325	17
18	23.7	34.7B	27.0B	113	70.6	7.76	2.41	7.36	3.86	20.0	41.2	234	18
19	22.0B	29.1B	46.0B	107	65.7	7.14	2.25	6.05	3.13	26.6	122	182	19
20	20.7B	27.0	75.0B	80.8	60.8	6.82	2.09	5.64	3.13	97.5	228	165	20
21	19.5B	23.6	106	64.7	50.1	19.1	2.09	4.95	7.39	76.8	206	114	21
22	18.6B	19.6	164	106	42.3	54.0	2.16	4.29	12.8	52.6	128	93.0	22
23	18.2	18.3B	147	279	52.7	116	2.59	3.86	12.3	36.9	98.5	114	23
24	17.4	17.8B	136	206	125	82.4	4.76	3.58	17.2	45.4	72.5	118	24
25	17.0	17.2B	110	126	107	69.4	7.64	3.06	39.3	32.4	63.2	144	25
26	20.4B	16.8B	85.4	88.9	74.9	53.2	7.47	2.54	26.6	80.9	58.8	111	26
27	188 B	16.4B	46.0B	71.7	56.7	37.6	6.76	2.31	18.6	85.6	52.5	80.5	27
28	345	16.0B	36.0B	61.0	45.4	28.0	6.34	2.14	13.7	107	47.0	57.0	28
29	188 B		32.5B	51.8	37.6	21.7	5.89	2.13	11.2	96.6	45.1	44.0B	29
30	96.5B		31.0B	42.9	53.2	18.1	4.96	2.03	9.25	241	49.0	36.0B	30
31	73.9B		29.2B		83.3		4.97	2.43		283		32.0B	31
TOTAL	1 640.7	1 423.7	1 298.1	3 860.0	1 788.6	1 031.95	184.36	843.61	246.72	1 729.0	2 435.6	4 737.5	TOTAL
MEAN	52.9	50.8	41.9	129	57.7	34.4	5.95	27.2	8.22	55.8	81.2	153	MEAN
MAX	345	227	164	323	126	116	16.4	225	39.3	283	228	689	MAX
MIN	14.0	16.0	12.0	29.5	25.1	6.82	2.09	2.03	2.01	11.4	40.1	32.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58.1
MAXIMUM DAILY, 689 ON DEC 10
MINIMUM DAILY, 2.01 ON SEP 15
MAXIMUM INSTANTANEOUS,
943 AT 00:35 AST ON DEC 10

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 10 24 N
LONG 061 58 54 W
DRAINAGE AREA, 1 350 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	142 000	JUL	15 900
FEB	123 000	AUG	72 900
MAR	112 000	SEP	21 300
APR	334 000	OCT	149 000
MAY	155 000	NOV	210 000
JUN	89 200	DEC	409 000

TOTAL DISCHARGE, 1 830 000 dam³

TUSKET RIVER AT WILSON'S BRIDGE - STATION NO. 01EA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.0	66.2	50.3	22.2	38.9	67.7	20.8	47.1	4.58	9.01	36.9	35.2	1
2	24.3	58.8	44.2	21.7	34.7	73.2	20.2	38.6	4.41	8.38	36.8	31.6	2
3	30.4	52.9	39.3	21.2	30.5	70.9	19.7	31.8	4.30	7.78	34.7	28.6	3
4	40.1	47.4	35.9	22.8	27.3	65.1	19.2	26.2	4.00	6.91	30.8	26.1	4
5	49.9	42.1	33.5	29.2	24.4	60.2	18.6	21.6	3.68	6.77	27.1	30.1	5
6	54.3	37.9	31.7	40.0	22.3	56.4	17.9	18.2	3.33	6.36	23.7	38.1	6
7	54.1	33.9	29.6	55.6	20.3	53.7	17.0	15.6	3.23	5.91	21.8	49.7	7
8	54.7	30.2	31.1	63.3	18.9	51.5	16.1	16.3	3.34	5.61	20.6	60.7	8
9	47.6	28.5	31.1	61.0	17.5	48.3	16.1	17.0	3.05	5.39	20.2	71.8	9
10	44.6	31.3	29.2	55.1	16.2	45.1	17.3	15.8	2.89	5.17	20.5	81.9	10
11	46.8	46.9	27.3	57.7	16.2	45.0	16.7	14.5	2.75	5.01	21.2	89.5	11
12	46.6	71.1	25.6	79.1	19.9	55.2	16.0	13.6	2.60	4.95	21.8	90.1	12
13	47.0	103	24.4	125	77.2	66.4	15.5	13.0	2.61	4.81	22.3	82.5	13
14	47.2	110	23.3	167	74.6	66.7	14.9	12.4	2.55	5.13	23.0	70.6	14
15	44.2	94.3	23.0	153	42.5	66.6	14.1	11.3	2.41	5.23	23.3	59.9	15
16	40.1	78.0	22.9	128	64.4	60.9	13.8	10.8	2.54	5.37	22.7	56.8	16
17	36.3	65.1	23.1	114	77.4	53.5	13.3	10.1	2.52	5.39	21.3	59.7	17
18	33.1	55.4	25.0	116	78.0	45.9	12.7	9.43	2.51	5.57	21.2	63.9	18
19	30.5	49.0	28.8	121	72.6	39.4	12.2	8.90	2.60	6.54	27.5	72.7	19
20	27.7	42.6	34.9	123	65.9	34.3	11.9	8.41	2.61	6.87	40.7	80.9	20
21	26.5	41.5	43.4	117	59.6	29.3	11.6	7.86	2.62	6.97	60.0	85.9	21
22	25.1	38.2	48.4	110	54.6	25.9	11.4	7.42	2.59	7.30	77.7	86.0	22
23	26.9	34.5	46.5	103	51.9	27.9	11.7	7.03	3.23	7.75	81.9	80.0	23
24	29.6	41.1	42.4	96.8	50.8	28.8	12.0	6.62	4.32	8.75	74.6	74.5	24
25	31.0	51.2	39.1	86.8	52.1	27.2	12.2	6.18	4.74	10.5	65.9	73.5	25
26	35.9	59.4	36.9	76.2	52.9	25.8	15.3	5.81	4.81	11.8	58.9	75.8	26
27	45.5	61.1	34.6	66.7	52.4	24.5	21.1	5.62	5.40	15.1	53.1	76.5	27
28	60.6	56.5	31.4	58.0	49.2	23.8	32.1	5.58	6.93	18.8	47.9	71.1	28
29	78.7		28.2	50.8	44.9	21.6	50.8	5.47	8.37	24.5	42.1	62.9	29
30	86.2		25.5	44.5	40.5	21.0	60.9	5.22	9.04	30.5	39.1	55.3	30
31	77.0		23.4		58.4		56.4	4.84		34.9		52.0	31
TOTAL	1 338.5	1 524.1	1 014.0	2 385.7	1 303.3	1 376.8	619.5	428.09	114.64	299.03	1 120.5	1 974.1	TOTAL
MEAN	43.2	54.4	32.7	79.5	42.0	45.9	20.0	13.8	3.82	9.65	37.4	63.7	MEAN
MAX	86.2	110	50.3	167	78.0	73.2	60.9	47.1	9.04	34.9	81.9	90.1	MAX
MIN	19.0	28.5	22.9	21.2	16.2	21.0	11.4	4.84	2.41	4.81	20.2	26.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 37.0
MAXIMUM DAILY, 167 ON APR 14
MINIMUM DAILY, 2.41 ON SEP 15
MAXIMUM INSTANTANEOUS,
173 AT 14:33 AST ON APR 14

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 43 55 24 N
LONG 065 52 12 W
DRAINAGE AREA, 1 070 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	116 000	JUL	53 500
FEB	132 000	AUG	37 000
MAR	87 600	SEP	9 900
APR	206 000	OCT	25 800
MAY	113 000	NOV	96 800
JUN	119 000	DEC	171 000

TOTAL DISCHARGE, 1 170 000 dam³

WALLACE RIVER AT WENTWORTH CENTRE - STATION NO. 01DN004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.80B	9.90B	7.30B	7.35	6.56	33.0	2.08	1.20	0.763	1.30	24.0	9.01	1
2	4.00B	8.70B	6.70B	13.9	6.18	20.5	1.94	5.67	0.755	1.25	16.2	8.11	2
3	6.00B	8.00B	6.30B	20.7	5.79	15.1	1.78	3.84	0.987	1.44	13.0	7.26	3
4	5.00B	7.60B	6.05	39.5	4.99	13.3	1.70	2.22	0.914	1.37	10.8	7.18	4
5	4.20B	7.10B	5.70B	57.1	4.71	11.8	1.76	1.54	0.768	1.45	9.27	43.8	5
6	3.70B	6.60B	5.20B	32.8	12.6	9.34	1.57	1.26	0.749	1.47	8.71	36.3	6
7	3.40B	6.20B	4.80B	23.6	15.1	7.78	1.55	1.10	0.753	1.24	19.9	19.7	7
8	3.10B	5.80B	4.40B	18.4	11.6	6.96	1.61	0.982	0.945	1.17	15.0	17.6	8
9	2.90B	5.60B	4.10B	15.7	8.83	6.29	1.50	0.983	0.921	1.11	11.4	101	9
10	2.80B	14.5 B	3.92	14.9	7.24	5.55	1.47	0.963	0.849	1.83	9.37	49.3	10
11	11.0 B	40.2	3.71	47.8	8.04	4.91	1.28	0.873	0.733	1.99	11.4	25.9	11
12	8.40B	19.9	3.90	59.0	7.53	4.53	1.14	3.08	0.783	1.73	10.9	16.6	12
13	6.70B	14.5	3.95B	30.4	7.29	3.88	1.07	5.89	0.877	1.55	8.95	13.9	13
14	5.35B	11.4	3.80B	20.2	20.6	3.52	1.06	3.36	0.875	1.46	7.88	12.4	14
15	4.60B	9.40B	3.42	16.8	23.9	3.37	1.01	4.21	0.881	1.52	7.36	10.4	15
16	4.17B	8.30B	3.37	36.9	16.7	3.06	0.954	2.60	0.912	1.43	6.98	15.2	16
17	4.40B	7.40B	6.61	27.2	13.9	2.83	0.925	1.89	0.833	1.25	6.74	24.4	17
18	5.20B	6.90B	37.2	44.2	14.0	2.55	0.801	1.50	0.791	1.19	23.1	16.9	18
19	6.90B	6.20B	41.5	26.1	13.5	2.30	0.824	1.77	0.685	2.14	112	13.0	19
20	6.30B	5.70B	23.1	18.3	11.9	2.30	0.793	1.74	1.23	3.14	63.2	33.6	20
21	5.60B	6.40B	30.3	16.1	11.5	2.43	0.870	1.39	3.67	2.36	35.2	20.1	21
22	5.00B	7.13	33.4	15.9	10.8	16.0	0.884	1.30	1.90	2.07	26.6	22.5	22
23	4.40B	17.9	29.4	14.3	46.6	9.36	0.919	1.17	3.02	1.82	19.9	26.1	23
24	4.90B	15.8	36.1	12.5	57.0	5.74	1.24	1.16	5.09	2.75	17.1	36.8	24
25	5.30B	10.8	20.0	10.7	29.1	5.39	1.40	0.975	2.62	6.88	16.3	41.7	25
26	14.0 B	9.30B	15.5	9.54	19.0	3.98	1.76	0.932	1.95	4.52	15.9	22.0	26
27	42.0 B	8.40B	12.9	8.66	14.9	3.04	1.76	0.859	1.61	15.2	12.6	15.2	27
28	30.1	7.73	10.5	8.11	11.7	2.64	1.31	0.802	1.41	11.4	11.6	13.5	28
29	18.0		9.15	7.36	9.85	2.40	1.13	0.845	1.33	25.7	10.9	14.2	29
30	12.5		7.94	6.87	70.1	2.22	1.08	0.860	1.31	139	10.4	11.7	30
31	11.0 B		7.27		78.2		0.962	0.836		48.4		12.6	31
TOTAL	253.72	293.36	396.49	680.89	583.71	216.08	40.112	57.800	40.914	290.83	572.66	757.96	TOTAL
MEAN	8.18	10.5	12.8	22.7	18.8	7.20	1.29	1.86	1.36	9.38	19.1	24.5	MEAN
MAX	42.0	40.2	41.5	59.0	78.2	33.0	2.08	5.89	5.09	139	112	101	MAX
MIN	2.80	5.60	3.37	6.87	4.71	2.22	0.793	0.802	0.685	1.11	6.74	7.18	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11.5
MAXIMUM DAILY, 139 ON OCT 30
MINIMUM DAILY, 0.685 ON SEP 19
MAXIMUM INSTANTANEOUS,
189 AT 08:49 AST ON OCT 30

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 40 42 N
LONG 063 33 35 W
DRAINAGE AREA, 298 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	21 900	JUL	3 470
FEB	25 300	AUG	4 990
MAR	34 300	SEP	3 530
APR	58 800	OCT	25 100
MAY	50 400	NOV	49 500
JUN	18 700	DEC	65 500

TOTAL DISCHARGE, 361 000 dam³

NOVA SCOTIA

WESTFIELD RIVER NEAR NORTH BROOKFIELD - STATION NO. 01EE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.66B	8.08	6.93	4.30	3.89	7.22	4.03	5.63	0.324	0.577	4.36	4.67	1
2	1.80B	7.05	6.09	4.23	3.55	7.07	3.67	5.41	0.275	0.599	4.54	4.25	2
3	1.92	6.26	5.37	4.37	3.19	6.48	3.30	4.95	0.268	0.594	4.45	3.92	3
4	2.04	5.56	4.89	6.43	2.94	6.29	2.97	4.45	0.229	0.533	4.32	3.70	4
5	2.26	4.92	4.47	11.2	2.66	5.95	2.70	4.10	0.199	0.547	4.05	5.13	5
6	2.43	4.39	4.11	14.3	2.59	5.38	2.33	3.66	0.177	0.584	3.87	6.57	6
7	2.56	4.05	3.74	14.4	2.45	4.83	2.10	3.31	0.163	0.585	3.98	7.49	7
8	2.61	3.71	3.37	13.0	2.37	4.50	1.77	2.97	0.224	0.583	4.00	8.02	8
9	2.68	3.39	3.06	11.0	2.25	4.04	1.63	2.69	0.184	0.580	3.85	11.6	9
10	2.77	3.79	2.84	9.37	2.08	3.65	1.48	2.45	0.167	0.601	3.68	14.2	10
11	3.26	6.96	2.63	11.5	2.16	3.54	1.36	2.17	0.164	0.589	3.54	14.3	11
12	3.53	9.34	2.43	19.4	2.24	3.86	1.20	2.06	0.158	0.533	3.52	12.9	12
13	3.80	10.1	2.28	22.2	2.17	3.88	1.11	2.01	0.142	0.539	3.42	11.1	13
14	3.86	9.50	2.29	20.0	2.71	3.76	0.992	1.80	0.134	0.558	3.29	9.50	14
15	3.83	8.68	2.47	16.6	3.32	3.55	0.874	1.63	0.139	0.597	3.04	8.11	15
16	3.71	7.79	2.65	16.2	3.76	3.22	0.770	1.46	0.158	0.586	2.86	8.05	16
17	3.53	6.92	2.85	15.6	4.10	2.95	0.722	1.32	0.155	0.540	2.69	9.18	17
18	3.35	6.11	3.64	16.6	4.49	2.65	0.670	1.20	0.150	0.526	2.20	10.1	18
19	3.20	5.29	4.87	16.0	4.88	2.37	0.569	1.13	0.129	0.511	1.26	11.2	19
20	3.05	4.40B	6.14	14.4	5.04	2.14	0.505	1.02	0.153	0.482	12.5	12.1	20
21	2.91	4.05B	7.07	12.9	4.83	2.12	0.469	0.891	0.161	0.452	14.6	11.9	21
22	2.77	3.69	7.80	11.7	4.67	2.18	0.456	0.784	0.141	0.426	15.0	11.0	22
23	2.62	3.57	8.01	10.5	5.09	2.17	0.480	0.704	0.253	0.426	13.6	10.6	23
24	2.52	7.50	8.01	9.44	6.04	2.86	0.577	0.639	0.339	0.560	11.7	10.8	24
25	2.67	9.50	7.70	8.29	6.91	4.08	0.708	0.585	0.334	0.752	10.1	11.1	25
26	3.30	9.45	6.94	7.18	7.10	5.14	0.950	0.545	0.394	0.835	8.73	10.9	26
27	5.17	8.73	6.21	6.25	6.83	5.47	1.50	0.504	0.433	1.20	7.66	10.2	27
28	7.59	7.84	5.54	5.49	6.23	5.19	2.94	0.465	0.510	1.41	6.69	8.99	28
29	8.84		4.93	4.80	5.51	4.74	4.57	0.442	0.505	2.10	5.81	7.84	29
30	9.61		4.39	4.29	6.16	4.40	5.45	0.400	0.540	3.10	5.20	6.90	30
31	9.16		4.27		6.84		5.63	0.346		3.88		6.66	31
TOTAL	114.91	181.62	147.99	341.94	129.05	125.68	58.482	61.725	7.302	26.385	185.53	282.98	TOTAL
MEAN	3.71	6.49	4.77	11.4	4.16	4.19	1.89	1.99	0.243	0.851	6.18	9.13	MEAN
MAX	9.61	10.1	8.01	22.2	7.10	7.22	5.63	5.63	0.540	3.88	15.0	14.3	MAX
MIN	1.66	3.39	2.28	4.23	2.08	2.12	0.456	0.346	0.129	0.426	2.69	3.70	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.56
MAXIMUM DAILY, 22.2 ON APR 13
MINIMUM DAILY, 0.129 ON SEP 19
MAXIMUM INSTANTANEOUS,
22.5 AT 09:20 AST ON APR 13

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 44 24 22 N
LONG 064 59 17 W
DRAINAGE AREA, 143 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 930	JUL	5 050
FEB	15 700	AUG	5 330
MAR	12 800	SEP	631
APR	29 500	OCT	2 280
MAY	11 100	NOV	16 000
JUN	10 900	DEC	24 400

TOTAL DISCHARGE, 144 000 dam³

PRINCE EDWARD ISLAND

BRUDENELL RIVER AT BRUDENELL - STATION NO. 01CE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.259	0.807	0.621	0.972	1.24	1.46	0.828	0.707	0.519	0.579	0.943	1.26	1
2	0.304	0.806	0.599	1.05	1.23	1.37	0.808	1.70	0.576	0.581	0.875	1.24	2
3	0.376	0.729	0.599	1.17	1.22	1.32	0.789	0.993	1.07	0.632	0.805	1.22	3
4	0.391	0.755	0.589	1.48	1.15	1.37	0.846	0.690	0.618	0.623	0.924	1.25	4
5	0.349	0.727	0.568	1.77	1.14	1.35	0.804	0.615	0.564	0.611	0.946	4.08	5
6	0.361	0.717	0.565	1.43	1.67	1.28	0.771	0.569	0.550	0.578	1.01	2.34	6
7	0.379	0.706	0.557	1.32	1.63	1.24	0.741	0.543	0.541	0.554	1.96	1.56	7
8	0.369	0.674	0.577	1.27	1.34	1.25	0.733	0.539	0.667	0.534	1.28	1.82	8
9	0.363	0.663	0.540	1.20	1.18	1.20	0.731	0.547	0.561	0.546	1.17	5.34	9
10	0.397	1.43	0.530	1.24	1.13	1.18	0.739	0.537	0.525	0.612	1.15	2.38	10
11	0.543	1.85	0.531	2.25	1.13	1.15	0.714	0.522	0.530	0.581	1.29	2.07	11
12	0.463	1.00	0.527	1.85	1.10	1.12	0.690	0.940	0.519	0.549	1.20	1.93	12
13	0.415	0.828	0.533	1.40	1.06	1.07	0.666	1.02	0.516	0.549	1.15	1.94	13
14	0.390	0.802	0.524	1.33	2.56	1.06	0.655	1.20	0.505	0.545	1.13	2.06	14
15	0.377	0.739	0.518	1.36	1.86	1.05	0.658	1.34	0.499	0.543	1.11	1.79	15
16	0.377	0.739	0.514	1.73	1.46	1.04	0.638	0.712	0.524	0.526	1.12	3.88	16
17	0.363	0.750	1.43	1.59	1.42	1.00	0.632	0.625	0.513	0.513	1.11	3.77	17
18	0.535	0.681	4.23	1.97	1.36	0.981	0.637	0.589	0.506	0.516	1.39	2.38	18
19	0.652	0.696	1.81	1.55	1.47	0.988	0.654	0.645	0.496	0.675	2.27	4.35	19
20	0.508	0.684	1.18	1.46	1.37	1.38	0.619	0.602	0.682	0.611	2.03	2.51	20
21	0.437	0.663	1.41	1.70	1.36	1.11	0.608	0.578	1.24	0.547	1.48	2.23	21
22	0.403	0.652	1.30	1.77	1.33	1.37	0.582	0.575	0.684	0.539	1.40	5.13	22
23	0.396	1.42	1.53	1.57	1.88	1.21	0.624	0.564	0.772	0.541	1.37	3.93	23
24	0.398	1.05	1.68	1.50	1.67	1.30	0.670	0.553	0.827	0.597	1.41	4.90	24
25	0.387	0.769	1.16	1.44	1.42	1.31	0.613	0.552	0.635	0.682	1.46	3.51	25
26	1.20 B	0.673	1.12	1.41	1.35	1.02	0.645	0.550	0.587	0.615	1.45	2.75	26
27	3.32 B	0.634	1.08	1.43	1.32	0.940	0.620	0.548	0.563	0.748	1.32	2.40	27
28	1.06	0.636	1.01	1.39	1.30	0.913	0.581	0.545	0.555	0.679	1.35	2.24	28
29	0.867		0.990	1.31	1.26	0.875	0.568	0.549	0.537	1.26	1.26	2.26	29
30	0.754		0.953	1.27	2.52	0.842	0.546	0.542	0.554	2.98	1.29	2.52	30
31	0.848		0.937		1.95		0.551	0.528		1.13		2.56	31
TOTAL	18.241	23.280	30.712	44.182	44.88	34.749	20.961	21.719	18.435	21.776	38.793	83.60	TOTAL
MEAN	0.588	0.831	0.991	1.47	1.45	1.16	0.676	0.701	0.615	0.703	1.29	2.70	MEAN
MAX	3.32	1.85	4.23	2.25	2.56	1.46	0.846	1.70	1.24	2.98	2.27	5.34	MAX
MIN	0.259	0.634	0.514	0.972	1.06	0.842	0.546	0.522	0.496	0.513	0.875	1.22	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.10
MAXIMUM DAILY, 5.34 ON DEC 09
MINIMUM DAILY, 0.259 ON JAN 01
MAXIMUM INSTANTANEOUS,
7.88 AT 21:13 AST ON DEC 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 12 07 N
LONG 062 39 23 W
DRAINAGE AREA, 33.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 580	JUL	1 810
FEB	2 010	AUG	1 800
MAR	2 650	SEP	1 590
APR	3 820	OCT	1 880
MAY	3 880	NOV	3 350
JUN	3 000	DEC	7 220

TOTAL DISCHARGE, 34 700 dam³

CARRUTHERS BROOK NEAR ST. ANTHONY - STATION NO. 01CA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.220B	1.15 B	0.690B	1.33	2.14	1.60	0.361	1.13	0.312	0.280	0.481	0.997	1
2	0.420B	1.05 B	0.650B	1.90	2.08	1.31	0.338	6.57	0.316	0.273	0.427	0.917	2
3	0.395B	0.970B	0.620B	3.09	1.81	1.12	0.326	6.07	0.313	0.264	0.402	0.845	3
4	0.360B	0.930B	0.585B	4.81B	1.55	0.992	0.515	2.19	0.301	0.261	0.415	1.06	4
5	0.400B	0.880B	0.555B	7.23B	1.37	0.882	0.425	1.29	0.295	0.257	0.427	3.52	5
6	0.380B	0.850B	0.525B	6.96B	2.44	0.783	0.359	0.902	0.295	0.250	0.465	2.77	6
7	0.370B	0.800B	0.505B	5.49	3.75	0.740	0.401	0.736	0.284	0.248	1.42	1.89	7
8	0.350B	0.760B	0.475B	3.86B	2.85	0.698	0.602	0.642	0.334	0.245	1.41	1.59	8
9	0.346B	0.900B	0.460B	2.83B	2.03	0.665	0.472	0.592	0.300	0.260	0.988	2.05	9
10	0.380B	1.20 B	0.440B	2.51B	1.70	0.629	0.458	0.541	0.285	0.295	0.804	1.81	10
11	0.450B	1.12 B	0.460B	2.36B	1.53	0.591	0.397	0.523	0.283	0.275	1.83	1.42 B	11
12	0.415B	1.00 B	0.495B	2.50	1.35	0.568	0.350	0.687	0.269	0.265	1.60	1.20 B	12
13	0.395B	0.879B	0.540B	2.40	1.17	0.530	0.313	0.629	0.263	0.260	1.02	0.967	13
14	0.370B	0.850B	0.490B	2.64	2.41	0.500	0.294	0.552	0.269	0.280	0.849	1.10	14
15	0.350B	0.795B	0.465B	3.63	2.30	0.488	0.279	0.564	0.273	0.325	0.733	0.900B	15
16	0.340B	0.755B	0.435B	8.09B	1.82	0.482	0.272	0.512	0.294	0.281	0.680	0.850B	16
17	0.325B	0.730B	0.470B	8.20B	1.58	0.508	0.269	0.465	0.268	0.270	0.650	2.95	17
18	0.305B	0.710B	0.720B	7.44	1.91	0.477	0.345	0.446	0.256	0.265	0.998	2.19	18
19	0.485B	0.690B	2.20 B	4.83	2.80	0.485	0.297	0.861	0.271	0.260	2.10	4.60	19
20	0.450B	0.670B	2.05 B	4.22	2.13	0.488	0.275	0.666	0.657	0.290	4.88	2.68	20
21	0.420B	0.660B	1.95 B	6.09	2.09	0.458	0.279	0.523	0.640	0.275	3.86	1.74	21
22	0.400B	0.650B	1.85 B	5.53	2.10	0.538	0.257	0.454	0.441	0.265	3.09	6.81	22
23	0.380B	0.750B	2.00 B	4.13	3.82	0.730	0.269	0.416	0.583	0.261	2.24	6.92	23
24	0.355B	0.820B	2.75 B	3.14	4.76	0.745	0.364	0.390	0.479	0.500	2.15	6.34	24
25	0.340B	0.950B	2.25 B	2.63	2.72	0.684	2.24	0.378	0.385	0.835	2.71	4.45	25
26	1.04 B	0.860B	2.00 B	2.53	1.98	0.664	4.20	0.373	0.330	0.605	1.96	2.35 B	26
27	2.80 B	0.780B	1.85 B	2.82	1.63	0.535	2.36	0.364	0.305	0.634	1.47	1.90 B	27
28	2.20 B	0.740B	1.70 B	3.10	1.41	0.465	1.25	0.353	0.285	0.623	1.42	1.55 B	28
29	1.80 B		1.55 B	2.48	1.25	0.434	0.817	0.351	0.270	0.546	1.30	1.24	29
30	1.45 B		1.45 B	2.18	1.84	0.386	0.580	0.354	0.285	0.631	1.16	1.63	30
31	1.25 B		1.38		2.25		0.464	0.327		0.577		2.31	31
TOTAL	19.941	23.899	34.560	120.95	66.57	20.175	20.428	30.851	10.141	11.156	43.939	73.546	TOTAL
MEAN	0.643	0.854	1.11	4.03	2.15	0.673	0.659	0.995	0.338	0.360	1.46	2.37	MEAN
MAX	2.80	1.20	2.75	8.20	4.76	1.60	4.20	6.57	0.657	0.835	4.88	6.92	MAX
MIN	0.220	0.650	0.435	1.33	1.17	0.386	0.257	0.327	0.256	0.245	0.402	0.845	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.30
MAXIMUM DAILY, 8.20B ON APR 17
MINIMUM DAILY, 0.220B ON JAN 01

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 44 39 N
LONG 064 11 08 W
DRAINAGE AREA, 46.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 720	JUL	1 760
FEB	2 060	AUG	2 670
MAR	2 990	SEP	876
APR	10 500	OCT	964
MAY	5 750	NOV	3 800
JUN	1 740	DEC	6 350

TOTAL DISCHARGE, 41 200 dam³

PRINCE EDWARD ISLAND

CLARKS CREEK AT AGUSTUS - STATION NO. 01CC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	0.363	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	3.72	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	2.29	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	0.706	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	3.10	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	---	---	---	---	---	---	---	0.329	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	0.211	0.228	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	3.77	5.01	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	0.262	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	1.41	3.56	1.76	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 19 13 N
LONG 062 53 02 W
DRAINAGE AREA, 39.8 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

CLYDE RIVER NEAR CLYDE RIVER - STATION NO. 01CC006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	0.689	---	---	0.717	---	0.235	---	---	2
3	---	---	---	---	---	---	0.358	---	---	---	---	---	3
4	---	---	---	1.21	---	---	---	---	0.266	---	---	---	4
5	---	---	---	1.63	---	---	0.346	---	---	---	---	---	5
6	---	---	---	---	---	---	---	0.283	---	---	---	1.45	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	0.662	---	8
9	---	---	0.346	---	0.625	---	0.338	---	---	---	---	---	9
10	---	---	---	0.970	---	---	---	---	0.266	0.260	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	1.51	11
12	---	---	---	---	---	0.717	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	0.534	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	---	14
15	---	---	0.366	---	---	---	---	---	---	0.232	---	---	15
16	---	---	---	---	---	---	0.301	---	---	0.226	---	---	16
17	---	---	---	---	---	---	---	---	0.239	---	---	---	17
18	---	---	---	2.00	0.833	---	---	---	---	---	---	---	18
19	---	---	---	---	---	0.534	---	---	---	---	---	7.07	19
20	---	---	---	---	---	---	---	0.338	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	1.05	---	---	---	---	---	---	0.202	---	---	22
23	---	---	---	---	---	---	0.266	---	---	---	---	---	23
24	---	---	---	---	---	---	---	0.305	---	---	---	---	24
25	---	---	---	0.920	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	0.464	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	0.301	---	---	---	---	27
28	---	---	0.803	---	---	---	---	---	---	---	0.763	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	3.75	---	0.266	---	0.316	1.46	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 14 08 N
LONG 063 15 39 W
DRAINAGE AREA, 26.8 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

DUNK RIVER AT WALL ROAD - STATION NO. 01CB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.25B	3.52	2.88	3.40	3.67	8.77	2.37	1.81	1.47	1.42	3.13	3.42	1
2	1.22B	3.13	2.76	3.77	3.63	7.63	2.35	2.93	1.47	1.44	2.81	3.29	2
3	1.19B	3.10	2.14	4.55	3.42	6.74	2.27	2.81	1.56	1.49	2.63	3.16	3
4	1.17B	2.95B	2.04	5.50	3.23	6.49	2.36	2.05	1.45	1.43	2.47	3.17	4
5	1.16B	3.51	2.03	8.84	3.21	6.24	2.33	1.81	1.42	1.44	2.39	7.78	5
6	1.14B	3.53	1.92	7.90	3.64	5.57	2.23	1.70	1.38	1.45	2.49	8.99	6
7	1.12B	3.46	2.03	6.91	3.79	5.20	2.15	1.65	1.45	1.42	5.75	6.68	7
8	1.10B	3.80	2.07	6.23	3.90	4.83	2.13	1.64	1.77	1.39	4.33	6.20	8
9	1.09B	3.41	2.05	5.64	3.54	4.55	2.11	1.63	1.54	1.34	3.84	11.6	9
10	1.15B	3.21	1.99	5.11	1.97	4.32	2.11	1.58	1.43	1.40	3.56	11.0	10
11	1.30B	5.58	1.77	8.09	2.97	4.10	2.06	1.55	1.42	1.36	3.36	8.36	11
12	1.25B	3.96	1.85	9.10	3.26	3.88	1.96	2.33	1.38	1.35	3.27	7.07	12
13	1.20B	3.30	1.88	6.89	3.16	3.71	1.84	2.14	1.36	1.34	3.04	6.32	13
14	1.16B	3.01	1.82	6.16	5.68	3.57	1.78	1.89	1.33	1.35	2.80	6.29	14
15	1.15B	2.84	1.74	5.92	7.46	3.39	1.76	2.18	1.36	1.39	2.71	5.51	15
16	1.13B	2.73	1.67	8.05	5.87	3.33	1.71	1.88	1.40	1.35	2.60	7.42	16
17	1.11B	2.69	3.90	8.93	5.56	3.25	1.70	1.71	1.35	1.33	2.59	10.4	17
18	1.10B	2.64	23.8	8.39	5.18	3.19	1.67	1.64	1.32	1.32	2.77	6.97	18
19	1.17B	2.71	11.4	7.57	5.11	3.13	1.67	1.94	1.34	1.34	5.61	12.6	19
20	1.50B	2.46	7.41	6.73	4.75	3.07	1.62	1.77	1.42	1.35	6.05	9.87	20
21	1.45B	2.46	6.95	6.40	4.68	3.00	1.63	1.66	1.84	1.29	5.48	7.95	21
22	1.38B	2.40	6.82	6.31	4.54	3.38	1.60	1.61	1.56	1.23	5.30	15.5	22
23	1.29B	2.68	6.58	5.75	5.87	3.13	1.59	1.58	1.54	1.25	4.94	14.8	23
24	1.22B	2.78	8.78	5.34	6.37	2.93	1.71	1.56	1.74	1.31	4.71	22.1	24
25	1.17B	2.67	6.23	5.05	5.94	2.90	1.72	1.49	1.55	1.40	4.54	26.5	25
26	2.33	2.74	5.59	4.74	5.73	2.72	1.77	1.48	1.52	1.37	4.31	14.0	26
27	10.7	2.75	5.17	4.60	5.39	2.62	1.67	1.50	1.44	1.65	4.02	11.9	27
28	7.93	2.82	4.64	4.36	5.11	2.55	1.55	1.52	1.44	1.63	3.87	8.94	28
29	5.37		4.28	4.00	4.83	2.45	1.58	1.52	1.45	1.85	3.77	8.08	29
30	4.29		3.88	3.80	7.76	2.41	1.55	1.49	1.41	4.78	3.63	8.45	30
31	3.85		3.57		11.8		1.56	1.51		3.86		8.89	31
TOTAL	64.64	85.64	141.59	184.01	151.02	123.05	58.11	55.76	44.11	49.32	112.77	292.31	TOTAL
MEAN	2.09	3.06	4.57	6.13	4.87	4.10	1.87	1.80	1.47	1.59	3.76	9.43	MEAN
MAX	10.7	5.58	23.8	9.10	11.8	8.77	2.37	2.93	1.84	4.78	6.05	26.5	MAX
MIN	1.09	2.40	1.67	3.40	1.97	2.41	1.55	1.48	1.32	1.23	2.39	3.16	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.73
MAXIMUM DAILY, 26.5 ON DEC 25
MINIMUM DAILY, 1.09B ON JAN 09
MAXIMUM INSTANTANEOUS,
44.8 AT 23:33 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 20 45 N
LONG 063 38 03 W
DRAINAGE AREA, 114 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 580	JUL	5 020
FEB	7 400	AUG	4 820
MAR	12 200	SEP	3 810
APR	15 900	OCT	4 260
MAY	13 000	NOV	9 740
JUN	10 600	DEC	25 300

TOTAL DISCHARGE, 118 000 dam³

EMERALD BROOK NEAR EMERALD - STATION NO. 01CB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.009	0.029	0.045E	0.120E	0.159	0.295	0.096	0.054	0.029	0.025	0.035	0.087	1
2	0.007	0.028	0.044E	0.160E	0.150	0.279	0.088	0.051	0.031	0.025	0.032	0.091	2
3	0.007	0.025	0.043E	0.200E	0.139	0.291	0.086	0.064	0.031	0.027	0.031	0.100	3
4	0.008	0.023	0.041E	0.262A	0.131	0.291	0.087	0.052	0.032	0.021	0.029	0.103	4
5	0.008	0.026	0.040E	0.200	0.133	0.247	0.079	0.049	0.030	0.024	0.031	0.387	5
6	0.006	0.027	0.039E	0.165	0.161	0.223	0.070	0.045	0.028	0.023	0.049	0.192	6
7	0.008	0.029	0.037E	0.154	0.164	0.216	0.067	0.044	0.032	0.022	0.123	0.162	7
8	0.007	0.026	0.036A	0.157	0.154	0.211	0.065	0.043	0.033	0.022	0.050	0.169	8
9	0.007	0.028	0.036	0.146	0.136	0.208	0.059	0.043	0.028	0.022	0.047	0.410	9
10	0.008	0.101	0.038	0.151	0.127	0.208	0.062	0.040	0.030	0.023	0.045	0.225	10
11	0.009	0.132	0.044	0.360	0.129	0.212	0.064	0.040	0.030	0.025	0.042	0.218	11
12	0.009	0.069	0.066	0.207	0.129	0.201	0.060	0.065	0.029	0.023	0.041	0.200	12
13	0.009	0.057	0.063A	0.189	0.117	0.194	0.058	0.048	0.028	0.023	0.044	0.195	13
14	0.008	0.053	0.058E	0.188	0.295	0.189	0.058	0.043	0.025	0.023	0.041	0.215	14
15	0.008	0.045	0.053E	0.185	0.199	0.179	0.059	0.042	0.026	0.022	0.043	0.185	15
16	0.008	0.042	0.048E	0.265	0.211	0.160	0.058	0.039	0.027	0.022	0.049	0.481	16
17	0.008	0.043	0.150E	0.204	0.186	0.157	0.056	0.040	0.028	0.022	0.052	0.352	17
18	0.013	0.042	0.770E	0.223	0.170	0.156	0.056	0.039	0.036	0.021	0.064	0.236	18
19	0.013	0.042	0.340E	0.198	0.172	0.155	0.055	0.035	0.029	0.026	0.151	0.763	19
20	0.011	0.043	0.175E	0.197	0.166	0.142	0.055	0.036	0.026	0.024	0.124	0.247	20
21	0.011	0.039	0.190E	0.208	0.170	0.144	0.054	0.036	0.028	0.024	0.101	0.250	21
22	0.011	0.043	0.170E	0.197	0.166	0.209	0.053	0.034	0.025	0.024	0.097	0.908	22
23	0.009	0.074	0.145E	0.189	0.228	0.128	0.047	0.033	0.029	0.025	0.089	0.446	23
24	0.008	0.070	0.230E	0.183	0.191	0.115	0.051	0.033	0.029	0.025	0.093	0.901	24
25	0.009	0.051	0.200E	0.179	0.185	0.128	0.053	0.032	0.026	0.024	0.092	0.518	25
26	0.086	0.045	0.185E	0.182	0.193	0.109	0.053	0.032	0.025	0.022	0.086	0.500	26
27	0.166	0.044A	0.155E	0.182	0.196	0.107	0.050	0.031	0.026	0.034	0.093	0.431	27
28	0.043	0.046E	0.135E	0.175	0.198	0.106	0.049	0.034	0.026	0.027	0.091	0.399	28
29	0.037		0.125E	0.160	0.192	0.105	0.048	0.034	0.024	0.046	0.089	0.374	29
30	0.032		0.120E	0.159	0.497	0.100	0.046	0.030	0.022	0.115	0.088	0.427	30
31	0.029		0.110E		0.414		0.046	0.029		0.040		0.409	31
TOTAL	0.612	1.322	3.931	5.745	5.860	5.485	1.888	1.270	0.848	0.871	2.047	10.581	TOTAL
MEAN	0.020	0.047	0.127	0.192	0.189	0.183	0.061	0.041	0.028	0.028	0.068	0.341	MEAN
MAX	0.166	0.132	0.770	0.360	0.497	0.295	0.096	0.065	0.036	0.115	0.151	0.908	MAX
MIN	0.006	0.023	0.036	0.120	0.117	0.100	0.046	0.029	0.022	0.021	0.029	0.087	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.111
MAXIMUM DAILY, 0.908 ON DEC 22
MINIMUM DAILY, 0.006 ON JAN 06
MAXIMUM INSTANTANEOUS,
4.09E AT 16:52 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 21 34 N
LONG 063 33 29 W
DRAINAGE AREA, 5.59 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	52.9	JUL	163
FEB	114	AUG	110
MAR	340	SEP	73.3
APR	496	OCT	75.3
MAY	506	NOV	177
JUN	474	DEC	914

TOTAL DISCHARGE, 3 500 dam³

REMARKS - THE E FOR DISCHARGE ABOVE 3.24 IS DUE TO CURVE EXTENSION

PRINCE EDWARD ISLAND

GLEN FINNAN RIVER AT TARANTUM - STATION NO. 01CC008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	1.71	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	0.761	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	1.61	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	0.532	1.20	14
15	---	---	---	---	---	---	---	---	---	0.213	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	1.66	3.47	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	0.190	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	0.770	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	1.25	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 15 N
LONG 062 57 07 W
DRAINAGE AREA, 24 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

HORNES CREEK AT MARSHFIELD - STATION NO. 01CC009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	0.024	---	---	2
3	---	---	---	---	---	---	---	---	---	---	---	---	3
4	---	---	---	---	---	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	---	---	---	5
6	---	---	---	---	---	---	---	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	---	---	---	---	---	0.083	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	0.032	---	---	10
11	---	---	---	---	---	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	---	---	---	12
13	---	---	---	---	---	---	---	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	---	---	---	0.144	14
15	---	---	---	---	---	---	---	---	---	0.024	---	---	15
16	---	---	---	---	---	---	---	---	---	---	---	---	16
17	---	---	---	---	---	---	---	---	0.022	---	---	---	17
18	---	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	0.491	0.916	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	0.021	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	0.100	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	0.325	---	---	30
31	---		---		---		---	---		---		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 17 50 N
LONG 063 04 41 W
DRAINAGE AREA, 5.9 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

PRINCE EDWARD ISLAND

MONTAGUE RIVER NEAR HEAD OF MONTAGUE - STATION NO. 01CE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.375	0.908	0.929	---	1.63	1.75	0.990	0.660	---	0.563	---	---	1
2	0.350	0.908	0.908	1.29	1.63	---	---	1.13	---	0.578	0.722	---	2
3	0.414	---	---	1.39	1.56	---	0.949	0.869	---	0.586	---	1.17	3
4	0.414	---	---	1.55	1.48	1.81	0.949	---	0.586	0.555	---	1.15	4
5	0.497	0.860	0.851	1.76	---	1.75	0.939	0.660	0.555	0.578	0.704	---	5
6	0.350	0.860	0.820B	1.62	---	1.68	0.908	---	0.548	---	---	1.68	6
7	---	0.832	0.835B	---	1.71	1.62	---	---	0.526	---	---	1.54	7
8	0.414	0.814	0.842	---	1.51	---	---	---	---	---	---	---	8
9	0.414	0.814	0.777	1.55	1.43	1.53	0.860	0.608	---	0.526	0.842	---	9
10	0.448	---	---	1.53	1.38	---	0.842	0.593	0.526	0.578	---	---	10
11	0.593	---	---	2.30	1.33	1.94	0.842	---	0.526	0.533	---	2.97	11
12	0.504	1.03	0.750	2.00	---	1.94	0.814	---	0.518	0.533	---	2.56	12
13	---	0.959	0.750	---	---	1.41	0.795	---	0.518	0.548	0.880	---	13
14	---	1.04	0.722	---	4.21	1.33	0.750	0.651	0.518	---	0.879	---	14
15	0.440B	0.980	0.704	---	1.76	1.30	---	0.722	---	---	0.842	---	15
16	0.448	0.970	0.704	---	1.63	1.29	0.750	0.669	---	0.555	0.869	---	16
17	0.497	---	0.804	---	1.68	---	0.722	0.651	0.518	0.555	---	3.56	17
18	0.555	---	---	2.88	1.71	1.20	0.750	---	0.518	0.555	---	2.70	18
19	0.548	0.970	1.75	1.94	---	1.20	0.722	0.686	0.518	0.704	1.38	---	19
20	---	0.949	1.31	1.88	---	---	0.686	---	0.511	0.616	1.43	3.03	20
21	---	1.07	1.49	---	---	---	---	0.601	0.686	0.593	1.31	---	21
22	0.455B	0.898	1.41	---	1.65	1.58	---	0.586	---	0.563	---	---	22
23	0.445B	2.58	1.60	---	2.18	---	0.678	0.586	---	0.555	1.20	---	23
24	0.448	---	---	1.95	1.92	---	0.722	0.586	0.651	0.608	---	---	24
25	0.482	---	---	1.88	1.71	---	0.695	0.570	0.578	0.601	1.23	---	25
26	1.01	1.29	1.37	1.88	---	---	0.777	---	---	---	---	---	26
27	---	1.10 B	1.41	1.88	---	---	0.686	0.555	0.526	---	---	2.90B	27
28	---	0.929	1.28	---	1.68	1.03	---	0.555	0.526	---	1.26	---	28
29	---		1.27	1.65	1.64	1.03	---	0.555	0.526	0.593	1.24	---	29
30	---		1.18	---	2.67	1.01	0.642	0.540	0.526	1.09	1.20	---	30
31	1.03		---		2.16		0.616	0.540		0.851		---	31
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 09 19 N
LONG 062 43 34 W
DRAINAGE AREA, 44.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	---	SEP	---
APR	---	OCT	---
MAY	---	NOV	---
JUN	---	DEC	---

MORELL RIVER AT BANGOR - STATION NO. 01CD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.20B	3.65B	5.20B	4.13	4.34	9.08	2.03	1.53	1.36	1.92	7.12	4.23	1
2	1.30B	3.50B	4.70B	4.38	4.23	6.57	1.89	8.77	1.29	1.76	5.09	4.02	2
3	1.73B	3.40B	4.40B	5.29	4.01	5.39	1.85	9.30	2.26	1.90	4.15	3.91	3
4	1.67D	3.34B	4.05B	7.91	3.73	5.01	1.87	5.90	2.21	2.11	3.72	3.86	4
5	1.60B	3.26B	3.75B	13.2	3.61	4.94	1.87	3.83	1.81	1.85	3.74	15.0	5
6	1.65B	3.22B	3.45B	12.5	5.42	4.53	1.92	2.78	1.79	1.98	3.74	18.6	6
7	1.70B	3.17B	3.30B	10.2	7.83	4.07	1.75	2.22	1.63	2.12	9.10	11.9	7
8	1.84B	3.08B	3.18B	8.19	7.58	3.91	1.70	1.96	1.95	2.03	8.43	9.40	8
9	1.70B	3.02B	3.03B	7.12	6.37	3.76	1.64	1.77	1.99	1.92	6.81	22.6	9
10	1.65B	3.45B	2.95B	6.50	5.07	3.43	1.65	1.69	1.85	1.78	5.48	18.3	10
11	2.38B	6.90B	2.82B	9.95	4.73	3.26	1.67	1.48	1.70	2.01	5.24	12.8	11
12	2.12B	6.00B	2.71	12.8	4.40	3.15	1.67	4.78	1.69	1.80	5.07	9.27	12
13	2.20B	4.60B	2.35	9.68	3.86	2.87	1.58	6.45	1.65	1.85	4.61	7.64	13
14	1.86B	3.70B	2.48	7.80	8.40	2.66	1.50	5.58	1.60	1.74	4.19	7.60	14
15	1.78B	3.40B	2.23	7.25	12.4	2.60	1.42	7.65	1.59	1.69	3.86	6.32	15
16	1.70B	3.34B	2.18	9.16	8.78	2.40	1.39	5.26	1.62	1.57	3.71	10.0	16
17	1.67B	3.23B	2.79	9.79	7.34	2.32	1.40	3.62	1.60	1.49	3.55	17.8	17
18	2.20B	3.17B	11.1	12.2	6.16	2.28	1.46	2.81	1.44	1.37	4.78	13.0	18
19	2.90B	3.10B	13.0	10.2	6.03	2.46	1.39	2.82	1.35	1.47	11.6	17.9	19
20	2.45B	3.03B	10.6	8.04	5.65	2.49	1.34	2.66	1.71	1.96	13.6	14.9	20
21	2.07B	3.02B	9.75	8.15	5.58	2.77	1.30	2.28	5.24	2.16	10.6	10.5	21
22	1.90B	3.00B	9.57	9.17	5.20	3.38	1.24	1.93	4.75	1.91	8.27	16.3	22
23	1.78B	3.60B	9.41	8.32	5.36	3.96	1.35	1.74	3.91	1.82	6.89	20.9	23
24	1.77B	4.80B	13.6	7.19	7.16	4.16	1.60	1.76	4.51	1.79	6.17	21.0	24
25	1.75B	6.00B	9.81	6.34	5.85	5.28	1.67	1.63	3.72	2.28	6.08	21.0	25
26	8.40B	7.70B	7.83	5.77	5.09	4.31	1.59	1.52	3.06	2.58	5.97	14.3	26
27	16.0 B	6.70B	6.79	5.31	4.51	3.39	1.53	1.40	2.49	2.88	5.28	10.3	27
28	7.50B	6.00B	6.00	5.14	4.14	2.84	1.50	1.38	2.19	3.21	5.04	8.21	28
29	4.30B		5.05	4.82	3.78	2.46	1.44	1.35	1.87	3.58	4.82	7.01	29
30	3.98B		4.45B	4.64	9.24	2.20	1.35	1.33	1.80	13.2	4.54	7.52	30
31	3.80B		4.25		13.4		1.27	1.33		10.8		8.67B	31
TOTAL	90.55	114.38	176.86	241.14	190.25	111.93	48.73	100.51	67.63	82.33	181.25	374.76	TOTAL
MEAN	2.92	4.09	5.71	8.04	6.14	3.73	1.57	3.24	2.25	2.66	6.04	12.1	MEAN
MAX	16.0	7.70	13.6	13.2	13.4	9.08	2.03	9.30	5.24	13.2	13.6	22.6	MAX
MIN	1.20	3.00	2.18	4.13	3.61	2.20	1.24	1.33	1.29	1.37	3.55	3.86	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.88
MAXIMUM DAILY, 22.6 ON DEC 09
MINIMUM DAILY, 1.20B ON JAN 01
MAXIMUM INSTANTANEOUS,
25.7 AT 01:38 AST ON DEC 25

SUMMARY FOR THE YEAR 1990

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 21 40 N
LONG 062 42 02 W
DRAINAGE AREA, 147 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 820	JUL	4 210
FEB	9 880	AUG	8 680
MAR	15 300	SEP	5 840
APR	20 800	OCT	7 110
MAY	16 400	NOV	15 700
JUN	9 670	DEC	32 400

TOTAL DISCHARGE, 154 000 dam³

PRINCE EDWARD ISLAND

WEST RIVER AT RIVERDALE - STATION NO. 01CC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.590B	2.58B	1.70B	2.34	2.38	6.33	1.29	1.34	0.989	1.03	2.51	2.15	1
2	0.560B	2.39B	1.60B	2.73	2.30	5.33	1.25	2.50	0.933	1.00	2.27	2.05	2
3	0.530B	2.20B	1.44	3.26	2.24	4.65	1.18	1.96	1.10	1.12	2.09	1.94	3
4	0.510B	2.08B	1.36	4.45	2.06	4.43	1.27	1.45	0.952	1.00	2.02	1.95	4
5	0.490B	1.94B	1.29	7.51	2.01	3.93	1.22	1.27	0.938	1.05	1.92	5.13	5
6	0.475B	1.84B	1.26B	6.57	2.43	3.37	1.15	1.18	0.947	0.951	1.89	5.31	6
7	0.455B	1.77B	1.23B	5.59	2.55	2.99	1.10	1.11	0.941	0.918	4.21	4.27	7
8	0.440B	1.74	1.21B	4.87	2.45	2.91	1.22	1.08	1.30	0.891	3.13	3.98	8
9	0.450B	1.65	1.20B	4.10	2.26	2.58	1.14	1.04	0.948	0.889	2.94	7.58	9
10	0.480B	2.34	1.19	3.71	2.27	2.45	1.16	1.06	0.903	1.03	2.75	6.53	10
11	0.630B	3.78	1.18	5.31	2.25	2.28	1.14	1.02	0.893	0.969	2.68	5.54	11
12	0.580B	2.61	1.16	5.95	2.19	2.18	1.09	2.05	0.864	0.932	2.49	4.50	12
13	0.540B	2.44	1.18	5.01	2.07	2.09	1.04	1.60	0.894	0.924	2.34	3.92	13
14	0.520B	2.20	1.19	4.48	4.22	2.04	1.02	1.62	0.901	0.921	2.21	3.69	14
15	0.500B	2.03	1.14	4.28	4.50	1.97	0.947	1.71	0.925	0.980	2.05	3.07	15
16	0.485B	1.90	1.11	6.26	4.19	1.89	0.952	1.44	0.912	0.940	1.97	4.60	16
17	0.480B	1.82B	1.42	6.40	3.85	1.78	0.957	1.37	0.896	0.918	1.89	5.64	17
18	0.545B	1.76B	8.00B	6.56	3.60	1.72	0.942	1.31	0.891	0.931	2.16	3.84	18
19	0.600B	1.68B	5.64	5.30	3.56	1.66	0.945	1.43	0.929	0.957	4.20	7.03	19
20	0.660B	1.62B	3.97	4.66	3.26	1.73	0.944	1.26	1.06	0.959	4.16	5.59	20
21	0.610B	1.55B	4.08	4.70	3.18	1.59	0.914	1.17	1.81	0.924	3.85	4.82	21
22	0.560B	1.50B	4.24	4.53	3.03	2.08	0.888	1.16	1.12	0.894	3.66	8.00	22
23	0.530B	1.46B	4.11	4.08	4.52	1.72	0.930	1.13	1.25	0.910	3.39	8.54	23
24	0.520B	1.70B	6.13	3.71	4.87	1.67	1.13	1.11	1.36	0.963	3.28	9.16	24
25	0.800B	1.90B	4.48	3.32	4.69	1.57	1.06	1.07	1.11	1.06	3.12	10.3	25
26	2.13	2.25B	3.98	3.18	4.30	1.51	1.18	1.09	1.07	0.931	2.87	7.90	26
27	7.93	2.03B	3.53	3.08	3.93	1.43	1.04	1.08	1.04	1.35	2.53	6.20	27
28	5.34	1.90B	3.05	2.84	3.55	1.41	0.930	1.04	1.01	1.24	2.51	4.94	28
29	3.86		2.78	2.55	3.22	1.37	0.875	1.05	1.01	1.59	2.40	4.42	29
30	3.13		2.51	2.45	5.96	1.34	0.838	1.03	1.03	3.87	2.28	4.71	30
31	3.10		2.38		7.82		0.837	0.996		2.83		4.51	31
TOTAL	39.030	56.66	80.74	133.78	105.71	73.90	32.779	40.726	30.976	35.872	81.77	161.81	TOTAL
MEAN	1.26	2.02	2.60	4.46	3.41	2.46	1.06	1.31	1.03	1.16	2.73	5.22	MEAN
MAX	7.93	3.78	8.00	7.51	7.82	6.33	1.30	2.50	1.81	3.87	4.21	10.3	MAX
MIN	0.440	1.46	1.11	2.34	2.01	1.34	0.837	0.996	0.864	0.889	1.89	1.94	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.39
MAXIMUM DAILY, 10.3 ON DEC 25
MINIMUM DAILY, 0.440B ON JAN 08
MAXIMUM INSTANTANEOUS,
13.0 AT 02:17 AST ON DEC 25

TYPE OF GAUGE - MANUAL
LOCATION - LAT 46 13 50 N
LONG 063 21 07 W
DRAINAGE AREA, 70.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	3 370	JUL	2 830
FEB	4 900	AUG	3 520
MAR	6 980	SEP	2 680
APR	11 600	OCT	3 100
MAY	9 130	NOV	7 060
JUN	6 380	DEC	14 000

TOTAL DISCHARGE, 75 600 dam³

WILMOT RIVER NEAR WILMOT VALLEY - STATION NO. 01CB004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.373	1.03	0.633A	1.29	1.37	2.16	0.919	0.729	0.595	0.492	0.665	1.05	1
2	0.339	0.917	0.624A	1.90	1.34	2.07	0.892	1.12	0.622	0.487	0.625	1.04	2
3	0.302	0.820	0.597A	2.06	1.27	2.01	0.873	1.44	0.656	0.484	0.611	1.01	3
4	0.292	0.826	0.579A	3.12	1.23	2.08	0.908	0.861	0.600	0.488	0.605	1.03	4
5	0.304	0.769	0.561A	2.71	1.21	1.97	0.872	0.780	0.590	0.492	0.622	3.69	5
6	0.305	0.729	0.552A	1.95	1.50	1.90	0.835	0.723	0.580	0.496	0.777	2.54	6
7	0.291	0.693	0.552A	1.91	1.59	1.73	0.819	0.708	0.627	0.482	2.05	1.67	7
8	0.289	0.660	0.817	1.76	1.57	1.69	0.801	0.687	0.697	0.485	1.05	1.65	8
9	0.287	0.684	0.795	1.68	1.26	1.62	0.812	0.683	0.600	0.480	0.928	3.90	9
10	0.297	1.78	0.756	1.63	1.19	1.57	0.805	0.668	0.583	0.500	0.900	2.48	10
11	0.366	2.80	0.767	4.72	1.20	1.50	0.781	0.666	0.566	0.480	0.893	2.12	11
12	0.325	1.50	0.861	2.63	1.16	1.44	0.760	1.18	0.575	0.467	0.898	1.93	12
13	0.321	1.18	0.921	2.01	1.11	1.40	0.751	0.864	0.567	0.495	0.886	1.91A	13
14	0.311	1.06	0.866	1.92	3.05	1.35	0.736	0.779	0.556	0.483	0.851	1.94A	14
15	0.307	0.958	0.787	1.88	1.80	1.32	0.722	0.738	0.555	0.483	0.833	1.73A	15
16	0.305	0.936	0.738	3.57	1.55	1.28	0.723	0.724	0.574	0.488	0.823	2.57A	16
17	0.314	0.923	3.01	2.22	1.52	1.23	0.713	0.694	0.555	0.494	0.805	3.50A	17
18	0.369	0.858	11.0 B	2.37	1.53	1.21	0.695	0.692	0.543	0.492	0.965	2.03A	18
19	0.404	0.855	4.06	2.04	1.56	1.19	0.690	0.775	0.536	0.510	2.29	8.27A	19
20	0.419	0.822	2.44	1.95	1.51	1.20	0.684	0.679	0.534A	0.516	1.67	2.27	20
21	0.358	0.841	2.84	2.00	1.53	1.13	0.682	0.662	0.521E	0.514	1.40	2.06A	21
22	0.342	0.806	2.03	1.95	1.50	1.40	0.666	0.658	0.510E	0.504	1.40	6.48A	22
23	0.328	1.05	1.91	1.84	2.57	1.17	0.676	0.637	0.500E	0.495	1.34	3.53A	23
24	0.332	1.06	3.32	1.75	2.03	1.26	0.768	0.645	0.495E	0.486	1.32	10.6 A	24
25	0.324	0.945	1.83	1.68	1.81	1.41	0.726	0.645	0.565A	0.479	1.30	4.04A	25
26	1.13	0.867	1.76	1.64	1.76	1.09	0.699	0.629	0.500	0.464	1.26	3.47A	26
27	4.69	0.640A	1.66	1.59	1.74	1.02	0.686	0.631	0.488	0.590	1.19	3.07A	27
28	1.70	0.656A	1.48	1.52	1.70	0.995	0.645	0.625	0.481	0.544	1.19	2.84A	28
29	1.32		1.41	1.45	1.62	0.952	0.644	0.616	0.485	0.736	1.15	2.75A	29
30	1.07		1.33	1.41	4.37	0.945	0.653	0.618	0.482	1.58	1.09	3.13A	30
31	1.13		1.28		3.24		0.649	0.604		0.812		3.33A	31
TOTAL	19.244	27.665	53.866	62.05	53.19	43.192	23.285	23.180	16.738	16.998	32.387	93.53	TOTAL
MEAN	0.621	0.988	1.74	2.07	1.72	1.44	0.751	0.748	0.558	0.548	1.08	3.02	MEAN
MAX	4.69	2.80	11.0	4.72	4.37	2.16	0.919	1.44	0.697	1.58	2.29	10.6	MAX
MIN	0.287	0.640	0.552	1.29	1.11	0.945	0.644	0.604	0.481	0.464	0.605	1.01	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.27
MAXIMUM DAILY, 11.0B ON MAR 18
MINIMUM DAILY, 0.287 ON JAN 09
MAXIMUM INSTANTANEOUS,
25.7 AT 19:00 AST ON DEC 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 23 35 N
LONG 063 39 35 W
DRAINAGE AREA, 45.4 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 660	JUL	2 010
FEB	2 390	AUG	2 000
MAR	4 650	SEP	1 450
APR	5 360	OCT	1 470
MAY	4 600	NOV	2 800
JUN	3 730	DEC	8 080

TOTAL DISCHARGE, 40 200 dam³

REMARKS - MAXIMUM INSTANTANEOUS VALUE WAS RETRIEVED FROM HOURLY READINGS FROM DCP DATA

PRINCE EDWARD ISLAND

WINTER RIVER AT BRACKLEY WELLS PUMPING STATION - STATION NO. 01CC003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0.034	0.042	0.133	0.144	0.235	0.036	0.007	0	0.001	0.001	0.001	1
2	0.001	0.036	0.039	0.226	0.138	0.192	0.034	0.034	0	0.001	0.001	0.001	2
3	0.001	0.037	0.038	0.357	0.133	0.175	0.034	0.033	0.001	0.002	0.001	0.001	3
4	0.001	0.038	0.036	0.473	0.126	0.185	0.033	0.009	0.001	0.001	0.001	0.001	4
5	0.001	0.040	0.034	0.574	0.118	0.177	0.031	0.006	0	0.002	0.001	0.025	5
6	0.001	0.044	0.031	0.290	0.148	0.163	0.028	0.004	0	0.001	0.001	0.003	6
7	0.001	0.043	0.029	0.239	0.243	0.160	0.026	0.004	0	0.001	0.001	0.001	7
8	0.001	0.042	0.028	0.209	0.199	0.151	0.026	0.003	0.001	0.001	0.001	0.001	8
9	0.001	0.041	0.026	0.199	0.136	0.142	0.026	0.002	0.001	0.001	0.001	0.025	9
10	0.002	0.085	0.026	0.205	0.117	0.141	0.026	0.002	0	0.002	0.001	0.001	10
11	0.005	0.377	0.026	0.601	0.107	0.135	0.024	0.002	0	0.001	0.001	0.001	11
12	0.005	0.406	0.025	0.545	0.103	0.125	0.021	0.040	0	0.001	0.001	0.001	12
13	0.005	0.180	0.025	0.242	0.086	0.113	0.019	0.079	0.001	0.002	0.001	0.001	13
14	0.005	0.091	0.024	0.203	0.494	0.106	0.018	0.013	0	0.002	0.001	0.001	14
15	0.005	0.068	0.022	0.204	0.338	0.096	0.018	0.011	0	0.001	0.001	0.001	15
16	0.005	0.061	0.021	0.386	0.162	0.088	0.017	0.005	0	0.001	0.001	0.004	16
17	0.005	0.061	0.031	0.283	0.149	0.079	0.015	0.002	0	0.001	0.001	0.004	17
18	0.007	0.056	0.742	0.356	0.140	0.076	0.013	0.002	0	0.001	0.001	0.001	18
19	0.011	0.055	0.733	0.224	0.156	0.066	0.011	0.002	0	0.001	0.013	0.021	19
20	0.011	0.054	0.418	0.207	0.144	0.067	0.011	0.002	0.001	0.001	0.003	0.001	20
21	0.011	0.047	0.292	0.233	0.153	0.059	0.011	0.002	0.002	0.001	0.001	0.001	21
22	0.011	0.046	0.301	0.259	0.145	0.093	0.011	0.001	0.002	0.001	0.001	0.020	22
23	0.012	0.084	0.322	0.205	0.461	0.080	0.012	0.001	0.002	0.001	0.001	0.009	23
24	0.011	0.117	0.644	0.192	0.281	0.073	0.012	0.001	0.002	0.001	0.001	0.020	24
25	0.011	0.089	0.237	0.172	0.179	0.128	0.010	0.001	0.002	0.001	0.001	0.005	25
26	0.016	0.054	0.192	0.171	0.160	0.064	0.010	0.001	0.002	0.001	0.001	0.001	26
27	0.031	0.045	0.178	0.166	0.148	0.046	0.009	0.001	0.002	0.001	0.001	0.001	27
28	0.032	0.044	0.147	0.162	0.138	0.043	0.008	0.001	0.002	0.001	0.001	0.001	28
29	0.033		0.145	0.156	0.115	0.039	0.007	0.001	0.002	0.002	0.001	0.002	29
30	0.033		0.136	0.150	0.525	0.036	0.006	0.001	0.002	0.007	0.001	0.002	30
31	0.034		0.131		0.695		0.006	0.001		0.001		0.001	31
TOTAL	0.309	2.375	5.119	8.022	6.391	3.335	0.569	0.274	0.026	0.043	0.044	0.159	TOTAL
MEAN	0.010	0.085	0.165	0.267	0.206	0.111	0.018	0.009	0.001	0.001	0.002	0.005	MEAN
MAX	0.034	0.406	0.742	0.601	0.695	0.235	0.036	0.079	0.002	0.007	0.013	0.025	MAX
MIN	0	0.034	0.021	0.133	0.086	0.036	0.006	0.001	0	0.001	0.001	0.001	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.073
MAXIMUM DAILY, 0.742 ON MAR 18
MINIMUM DAILY, 0 ON JAN 01
MAXIMUM INSTANTANEOUS,
1.17 AT 01:18 AST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 18 54 N
LONG 063 08 48 W
DRAINAGE AREA, 4.92 km²

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	26.7	JUL	49.2
FEB	205	AUG	23.7
MAR	442	SEP	2.25
APR	693	OCT	3.72
MAY	552	NOV	3.80
JUN	288	DEC	13.7

TOTAL DISCHARGE, 2 300 dam³

REMARKS - EXTREME HIGH FLOWS BYPASS THE GAUGE

WINTER RIVER NEAR SUFFOLK - STATION NO. 01CC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1990

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.175	0.535	0.529	0.912	1.05	2.47	0.595	0.382	0.265	0.281	0.680	0.834	1
2	0.200	0.499	0.497	1.18	1.02	1.62	0.587	0.874	0.258	0.278	0.510	0.826	2
3	0.183	0.493	0.500	1.77	0.989	1.48	0.574	0.799	0.325	0.306	0.459	0.816	3
4	0.167	0.490	0.483	2.19	0.935	1.48	0.655	0.522	0.276	0.271	0.435	0.883	4
5	0.171	0.468	0.477	3.26	0.974	1.45	0.562	0.392	0.276	0.298	0.418	2.72	5
6	0.169	0.459	0.450	2.33	1.25	1.35	0.494	0.347	0.265	0.270	0.410	4.55	6
7	0.161	0.451	0.433	1.71	1.57	1.29	0.486	0.317	0.290	0.259	0.927	1.81	7
8	0.168	0.444	0.422	1.46	1.63	1.26	0.525	0.319	0.422	0.251	1.09	1.45	8
9	0.177	0.451	0.416	1.30	1.20	1.19	0.523	0.316	0.313	0.268	0.639	4.36	9
10	0.177	0.665	0.425	1.28	1.02	1.15	0.518	0.297	0.289	0.287	0.531	3.56	10
11	0.289	1.29	0.414	1.99	0.978	1.10	0.519	0.281	0.291	0.261	0.516	1.95	11
12	0.291	1.36	0.410	3.40	0.901	1.05	0.462	0.764	0.285	0.260	0.485	1.55	12
13	0.265	1.08	0.417	1.95	0.856	1.00	0.438	1.36	0.258	0.272	0.451	1.46	13
14	0.236	0.791	0.425	1.41	1.66	0.963	0.419	0.678	0.265	0.268	0.454	1.44	14
15	0.229	0.648	0.417	1.39	2.94	0.944	0.403	0.504	0.260	0.245A	0.453	1.32	15
16	0.204	0.579	0.366	1.93	1.50	0.890	0.425	0.387	0.268	0.236E	0.468	1.60	16
17	0.197	0.579	0.399	2.19	1.22	0.832	0.389	0.321	0.242	0.229E	0.463	2.73	17
18	0.232	0.594	2.76	2.09	1.09	0.794	0.392	0.294	0.228	0.223E	0.619	2.18	18
19	0.301	0.545	4.45	1.84	1.14	0.766	0.392	0.385	0.240	0.795A	2.44	4.04	19
20	0.296	0.546	2.98	1.48	1.13	0.809	0.391	0.340	0.366	0.526	3.20	3.46	20
21	0.288	0.550	2.15	1.52	1.12	0.721	0.349	0.314	0.720	0.423	1.71	1.89	21
22	0.254	0.515	1.98	1.66	1.17	1.02	0.357	0.292	0.527	0.373	1.12	2.93	22
23	0.241	0.694	1.61	1.50	1.85	0.965	0.412	0.301	0.432	0.357	0.985	4.87	23
24	0.219	0.888	3.12	1.36	2.15	0.865	0.497	0.301	0.437	0.340	0.943	3.92	24
25	0.198	0.824	2.22	1.29	1.42	1.33	0.392	0.288	0.366	0.324	1.05	5.05	25
26	0.323	0.667	1.42	1.22	1.20	0.944	0.415	0.278	0.331	0.310	0.963	2.74	26
27	1.28	0.566	1.28	1.21	1.19	0.730	0.387	0.295	0.305	0.304	0.864	2.24	27
28	1.61	0.520	1.09	1.20	1.12	0.673	0.359	0.275	0.303	0.336	0.908	1.97	28
29	1.27		1.02	1.11	1.08	0.656	0.340	0.284	0.297	0.218	0.915	1.88	29
30	0.890		0.958	1.06	2.31	0.626	0.334	0.278	0.275	1.34	0.875	2.07	30
31	0.639		0.907		5.36		0.331	0.271		1.54		2.29	31
TOTAL	11.498	18.191	35.425	50.192	44.953	32.418	13.922	13.056	9.676	11.949	25.981	75.389	TOTAL
MEAN	0.371	0.650	1.14	1.67	1.45	1.08	0.449	0.421	0.323	0.386	0.866	2.43	MEAN
MAX	1.61	1.36	4.45	3.40	5.36	2.47	0.655	1.36	0.720	1.54	3.20	5.05	MAX
MIN	0.161	0.444	0.366	0.912	0.856	0.626	0.331	0.271	0.228	0.218	0.410	0.816	MIN

SUMMARY FOR THE YEAR 1990

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.939
MAXIMUM DAILY, 5.36 ON MAY 31
MINIMUM DAILY, 0.161 ON JAN 07
MAXIMUM INSTANTANEOUS,
6.82 AT 04:18 AST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 46 19 56 N
LONG 063 03 53 W
DRAINAGE AREA, 37.5 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	993	JUL	1 200
FEB	1 570	AUG	1 130
MAR	3 060	SEP	836
APR	4 340	OCT	1 030
MAY	3 880	NOV	2 240
JUN	2 800	DEC	6 510

TOTAL DISCHARGE, 29 600 dam³

NAME	STATION NO.	PAGE
NEWFOUNDLAND		
ALEXIS RIVER NEAR PORT HOPE SIMPSON	03QC002	1
ASHUANIPI RIVER AT MENIHEK RAPIDS	03OA001	1
ATIKONAK RIVER AT GABBRO LAKE	03OC006	2
ATIKONAK RIVER AT OSSAIMANUAN LAKE CONTROL STRUCTURE	03OD006	2
BARTLETTS RIVER NEAR ST. ANTHONY	02YA002	3
BAY DU NORD RIVER AT BIG FALLS	02ZF001	3
BIG BROOK AT LEAD COVE	02ZL005	4
BLANCHE BROOK NEAR STEPHENVILLE	02YJ002	4
BOOT BROOK AT TRANS-CANADA HIGHWAY	02YK008	5
BOTTOM CREEK NEAR ROCKY HARBOUR	02YH001	5
CHURCHILL RIVER ABOVE UPPER MUSKRAT FALLS	03OE001	6
CHURCHILL RIVER AT CHURCHILL FALLS POWERHOUSE	03OD005	6
CHURCHILL RIVER AT FOOT OF LOWER MUSKRAT FALLS	03OE007	7
CHURCHILL RIVER AT GRIZZLE RAPIDS	03OE008	7
CHURCHILL RIVER BETWEEN UPPER AND LOWER MUSKRAT FALLS	03OE005	8
COME BY CHANCE RIVER NEAR GOOBIES	02ZH002	8
CONNE RIVER AT OUTLET OF CONNE RIVER POND	02ZE004	9
CORNER BROOK AT WATSONS BROOK POWERHOUSE	02YL002	9
CORNER BROOK LAKE AT INTAKE HOUSE	02YL009	10
DEER LAKE NEAR GENERATING STATION	02YL007	10
EAGLE RIVER ABOVE FALLS	03QC001	11
EXPLOITS RIVER AT GRAND FALLS	02YO001	11
EXPLOITS RIVER BELOW NOEL PAULS BROOK	02YO011	12
EXPLOITS RIVER BELOW STONY BROOK	02YO005	12
GANDER RIVER AT BIG CHUTE	02YQ001	13
GARNISH RIVER NEAR GARNISH	02ZG001	13
GLIDE BROOK BELOW GLIDE LAKE	02YK007	14
GRAND LAKE AT MAIN DAM	02YK009	14
GRAND LAKE AT SOUTHWEST END	02YK010	15
GRANDY BROOK BELOW TOP POND BROOK	02ZC002	15
GREAT RATTLING BROOK ABOVE TOTE RIVER CONFLUENCE	02YC008	16
GREAVETT BROOK ABOVE PORTLAND CREEK POND	02YE001	16
GREY RIVER NEAR GREY RIVER	02ZD002	17
HARRYS RIVER BELOW HIGHWAY BRIDGE	02YJ001	17
HIGHLANDS RIVER AT TRANS-CANADA HIGHWAY	02ZA002	18
HINDS BROOK AT HINDS BROOK POWER HOUSE	02YK006	18
HUMBER RIVER AT GRAND LAKE OUTLET	02YK001	19
HUMBER RIVER AT HUMBER VILLAGE BRIDGE	02YL003	19
INDIAN BAY BROOK NEAR NORTHWEST ARM	02YR003	20
INDIAN BROOK AT INDIAN FALLS	02YM001	20
INDIAN BROOK DIVERSION ABOVE BIRCHY LAKE	02YM004	21
ISLE AUX MORTS RIVER BELOW HIGHWAY BRIDGE	02ZB001	21
JUNCTION BROOK NEAR BADGER	02YO010	22
KANAIRIKTOK RIVER BELOW SNEGAMOOK LAKE	03NG001	22
LEARY BROOK AT PRINCE PHILIP DRIVE	02ZM020	23
LEARY BROOK AT ST. JOHN'S	02ZM017	23
LEECH BROOK NEAR GRAND FALLS	02YO007	24
LEWASEECHJEECH BROOK AT LITTLE GRAND LAKE	02YK002	24
LITTLE BARACHOIS BROOK NEAR ST. GEORGE'S	02ZA001	25
LITTLE BARACHOIS RIVER NEAR PLACENTIA	02ZK003	25
LITTLE BARASWAY BROOK NEAR MOLLIERS	02ZG005	26
LITTLE CODROY RIVER NEAR DOYLES	02ZA003	26
LITTLE MECATINA RIVER ABOVE LAC FOURMONT	02XA003	27
LITTLE SALMONIER RIVER NEAR NORTH HARBOUR	02ZK004	27
LLOYDS RIVER BELOW KING GEORGE IV LAKE	02YN002	28
MAIN RIVER AT PARADISE POOL	02YG001	28
MIDDLE ARM BROOK BELOW FLATWATER POND	02YG002	29
MIDDLE BROOK NEAR GAMBO	02YR001	29
MINIPI RIVER BELOW MINIPI LAKE	03OE003	30
MOBILE RIVER AT MOBILE FIRST POND	02ZM003	30
NASKAUPI RIVER BELOW NASKAUPI LAKE	03PB002	31
NORTH BROOK NEAR RED BAY	02XD002	31
NORTHEAST BROOK NEAR RODDICKTON	02YD002	32
NORTHEAST POND RIVER AT NORTHEAST POND	02ZM006	32
NORTHEAST RIVER NEAR PLACENTIA	02ZK002	33
NORTHWEST BROOK AT NORTHWEST POND	02ZN001	33
NORTHWEST GANDER RIVER NEAR GANDER LAKE	02YQ004	34
PETERS RIVER NEAR BOTWOOD	02YO006	34
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